

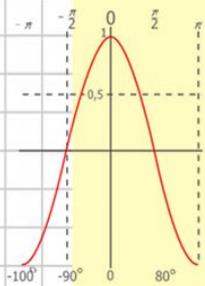
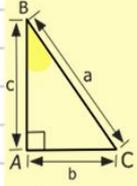
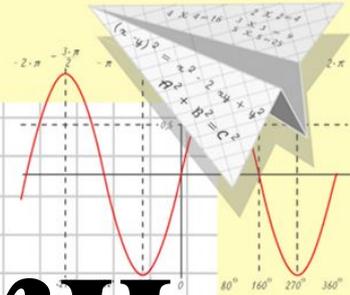
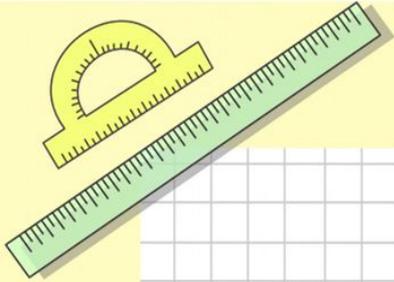
Математик

а

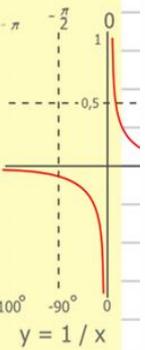
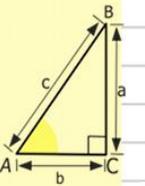
Математически й КВН



Игра для учащихся 5 класса



- $y = \cos x$
- $2 \times 2 = 4$
 - $3 \times 3 = 9$
 - $4 \times 4 = 16$
 - $5 \times 5 = 25$
 - $6 \times 6 = 36$
 - $7 \times 7 = 49$
 - $8 \times 8 = 64$



$$\begin{array}{r} 2500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 10500 \end{array}$$

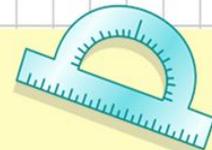


$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

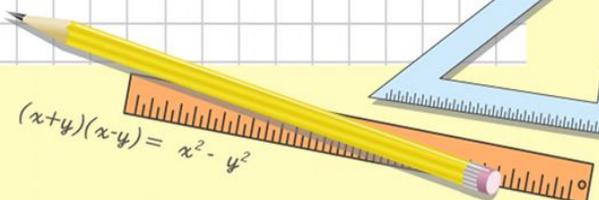


$$\sin 90^\circ = 1$$



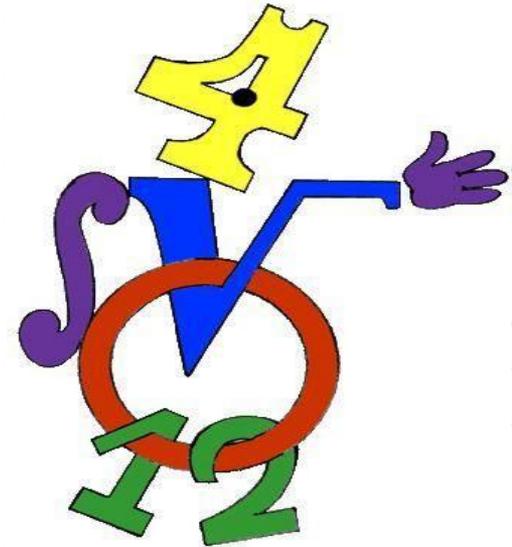
$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

$$\begin{cases} y = 1 \\ x = 25 + 45 \\ x = 70 \end{cases}$$



$$(x+y)(x-y) = x^2 - y^2$$

*Царица - математика опять
 Вас собрала на праздник знаний
 И приглашает всех блистать
 Умом, смекалкой, юмором дерзаний.
 Нет скучных формул, теорем,
 Сегодня – не урок, а праздник!
 И пусть не все получится, как ты хотел,
 Тебе откроется дорога к знаниям.*



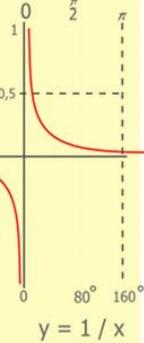
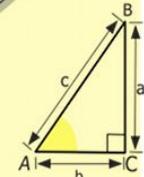
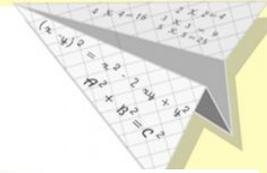
Что такое КВН?

- Это школа юмора

Что такое КВН?

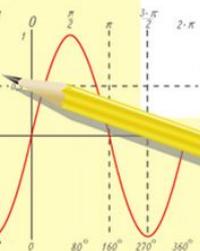
Чтоб Вы больше думали

- Это юмор, это смех, это ловкость и успех



$$\begin{array}{r} \frac{1}{2} 500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 105000 \end{array}$$

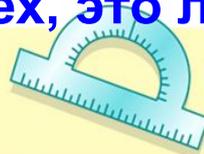
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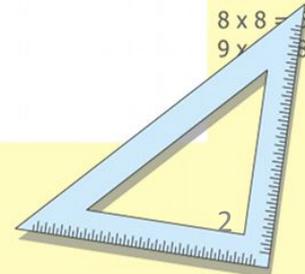
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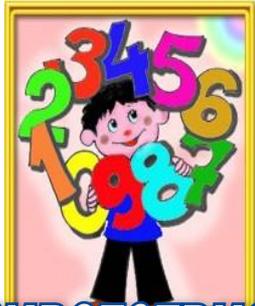


$$\begin{cases} x = 25y + 45 \\ y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$

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Ход игры



Приветствие 1



Разминка 2



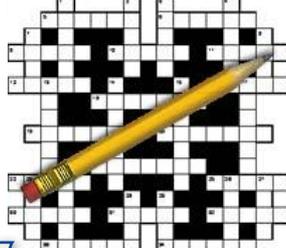
Анаграммы 3



фигурки 4



Эстафета 5



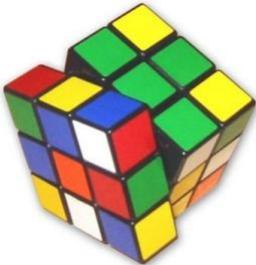
Кроссворд 6



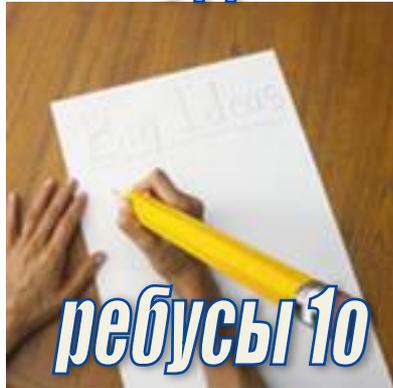
Капитанский 7



Игра со зрителями 8



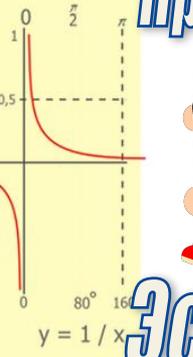
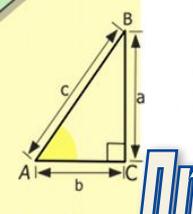
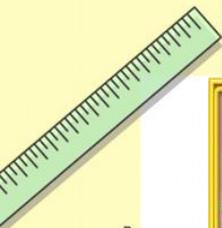
Головоломка 9



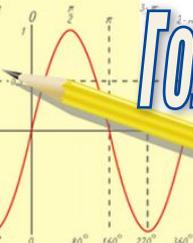
ребусы 10



Подведение итогов



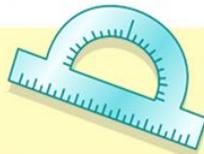
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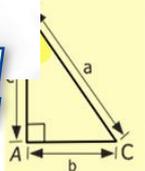
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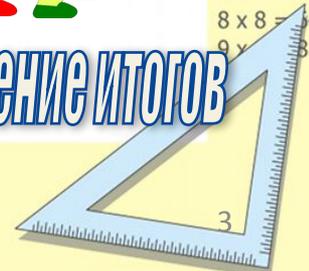
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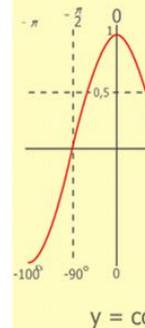
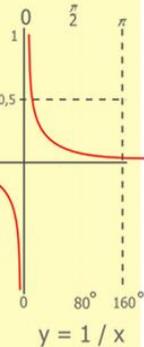
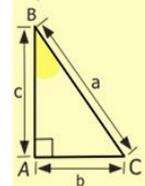
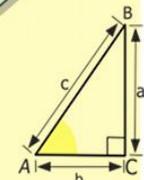
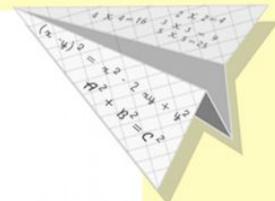
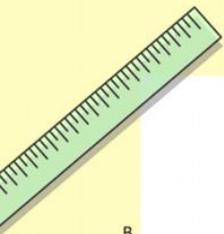


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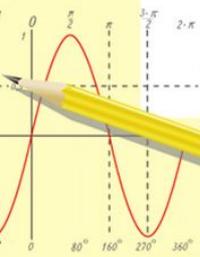
1 тур

ПРИВЕТСТВИЕ



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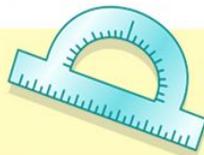
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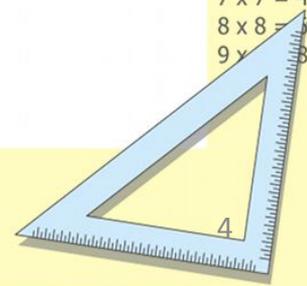
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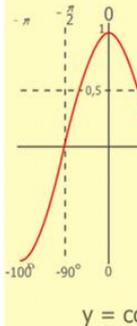
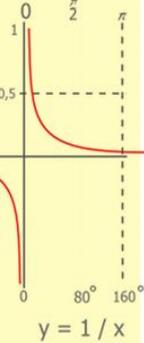
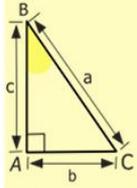
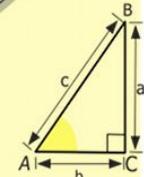
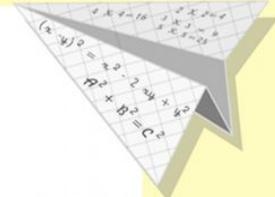
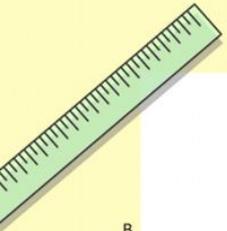
$$(x+y)(x-y) = x^2 - y^2$$



Приветствие (максимум – 5 баллов)

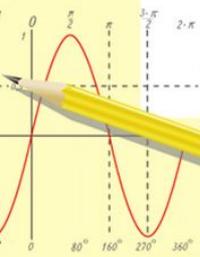
Каждая команда предлагает минипредставление, в котором обыгрывает:

- название
- девиз
- эмблему



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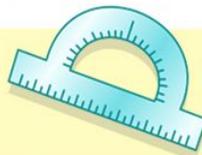
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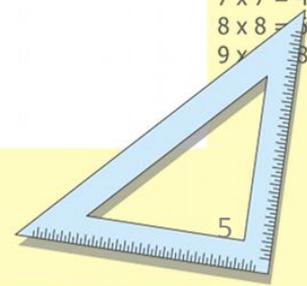
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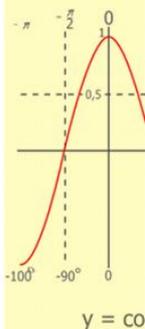
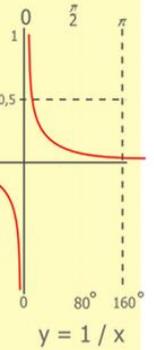
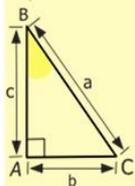
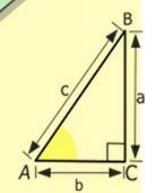
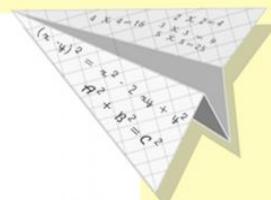
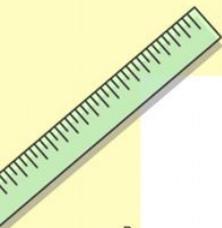
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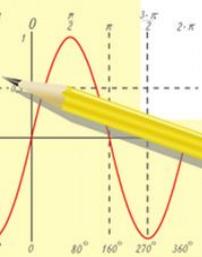
2 тур

РАЗМИНКА



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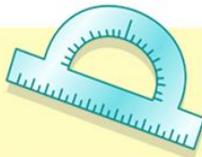
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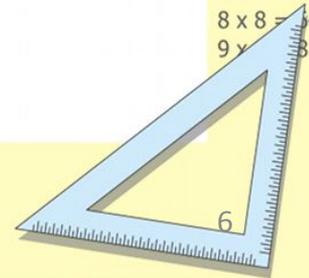
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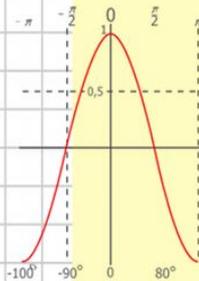
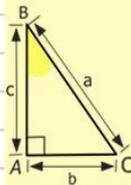
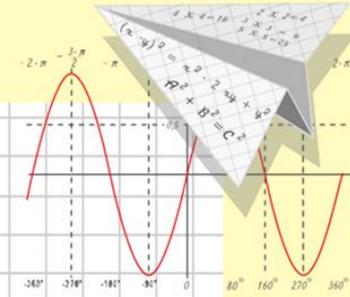
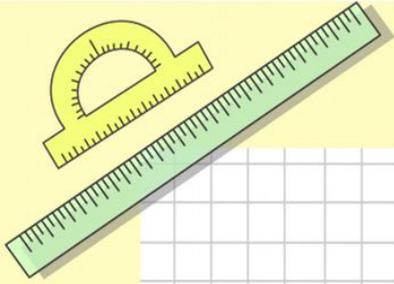


Математик

РАЗМИНКА

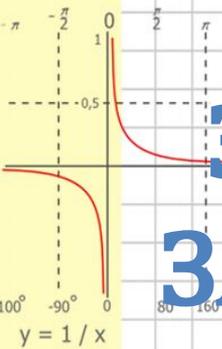
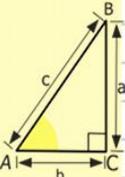
МЫ РАЗМИНКУ НАЧИНАЕМ
ПОБЕДИТЕЛЕЙ УЗНАЕМ.

ЗДЕСЬ ЗАГАДКИ И ШАРАДЫ.
ЗА РАЗГАДКУ ВСЕМ НАГРАДЫ.



$$y = \cos x$$

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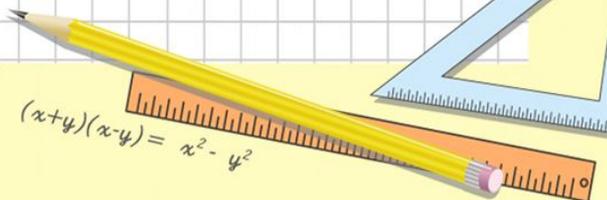


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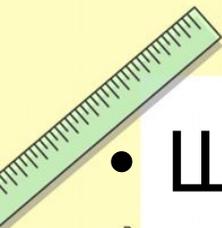


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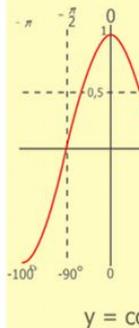
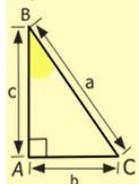
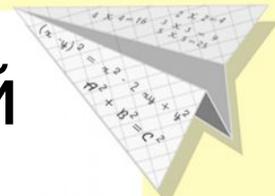
• Шла старуха в Москву, и навстречу ей три старика. Сколько человек шло в Москву?

• Что легче: пуд ваты или пуд железа?

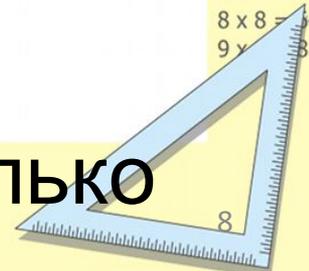
• К 7 прибавить 5. Как правильно записать: «**одиннадцать**» или «**адиннадцать**»?

• Спутник Земли делает оборот за 1 ч 40 мин, а второй за 100 мин. Как это получается?

• Двое играли в шахматы 4 часа. Сколько времени играл каждый?

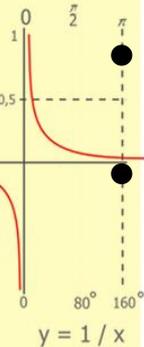
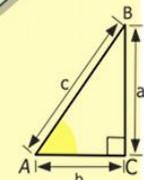


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- 8 x 8 = 64
- 9 x 9 = 81

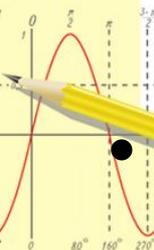


$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \\ y = 1 \\ x = 25 + 45 \\ x = 70 \end{cases}$$

$$y(x-y) = x^2 - y^2$$



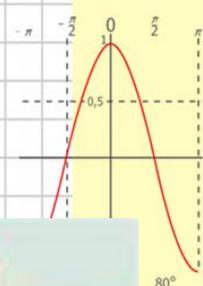
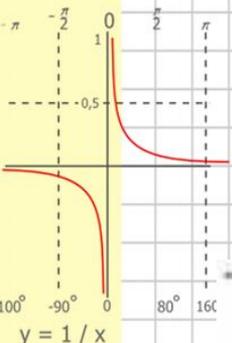
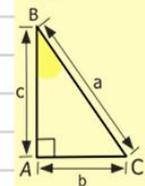
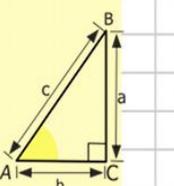
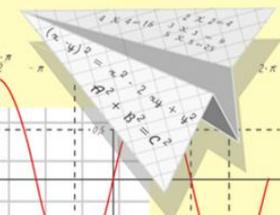
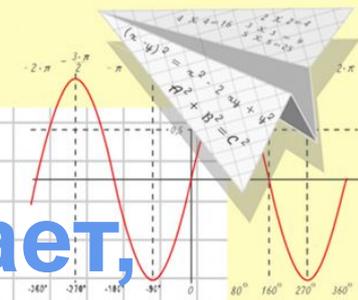
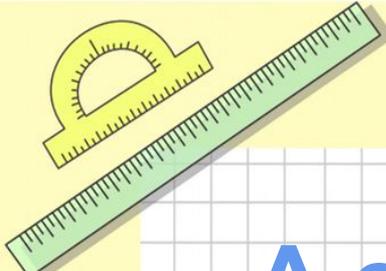
$$\begin{array}{r} 1\ 5\ 00 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 105\ 00 \end{array}$$



Математик

а

А сейчас - пусть всякий знает,
 Кто же лучше вычисляет?
 Мне задачи прочитает,
 Вам же думать и считать.



$$\begin{array}{r} 1 \\ \times 2500 \\ \hline 210 \\ + 84 \\ \hline 10500 \end{array}$$

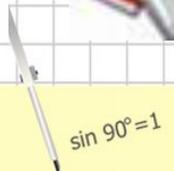


- OS X
- = 4
- = 9
- = 16
- = 25
- = 36



$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

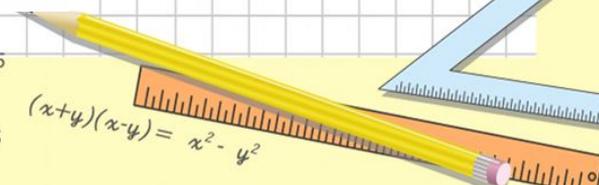
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$



$$\sin 90^\circ = 1$$



$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \\ y = 1 \\ x = 25 + 45 \\ x = 70 \end{cases}$$



$$(x+y)(x-y) = x^2 - y^2$$

Решите уравнения

• $c + 10 = 90$

• $a + 5 = 45$

• $40 + y = 80$

• $c - 20 = 60$

• $24 - a = 1?$

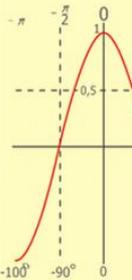
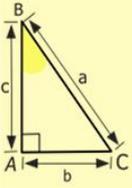
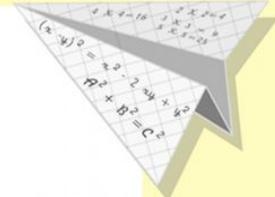
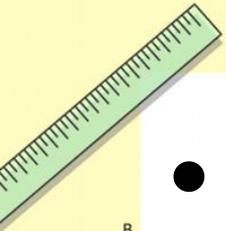
• $a : 9 = 3$

• $c * 8 = 32$

• $45 : y = 5$

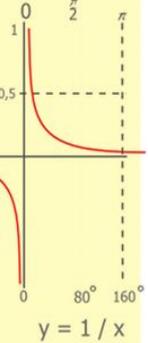
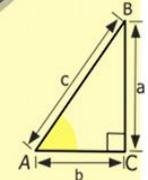
• $7 * x = 56$

• $p : 6 = 6$

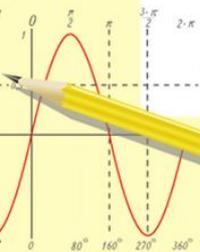


$y = \cos$

- $2 \times 2 = 4$
- $3 \times 3 = 9$
- $4 \times 4 = 16$
- $5 \times 5 = 25$
- $6 \times 6 = 36$
- $7 \times 7 = 49$
- $8 \times 8 = 64$
- $9 \times 9 = 81$



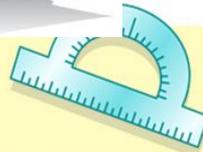
$$\begin{array}{r} 2500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 105000 \end{array}$$



$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

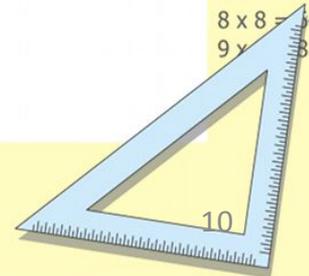
$$\sin 90^\circ = 1$$



$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

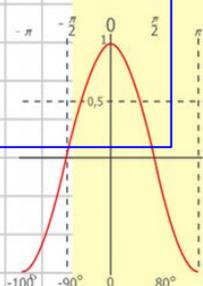
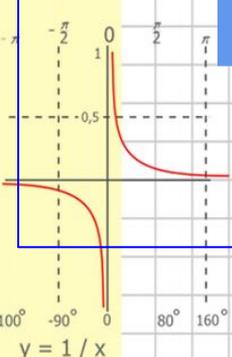
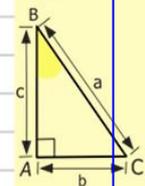
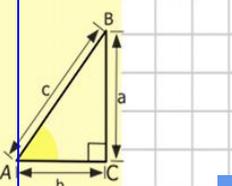
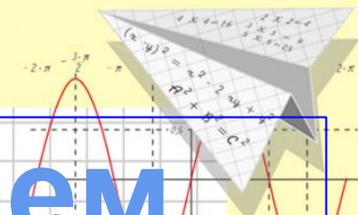
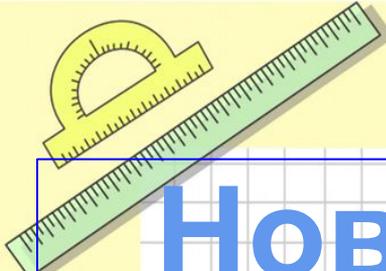
$$\begin{cases} y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$

$$(x+y)(x-y) = x^2 - y^2$$



Математик

Новый тур мы начинаем,
Знатоков приглашаем.
Будут трудные задачи,
Пожелаем им удачи



$$\begin{array}{r} 2500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 105000 \end{array}$$



$$y = \cos x$$
$$\begin{array}{l} 2 \times 2 = 4 \\ 3 \times 3 = 9 \\ 4 \times 4 = 16 \\ 5 \times 5 = 25 \\ 6 \times 6 = 36 \\ 7 \times 7 = 49 \\ 8 \times 8 = 64 \end{array}$$



$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

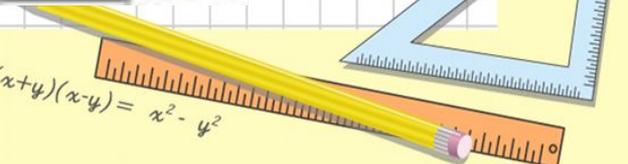


$$\sin 90^\circ = 1$$



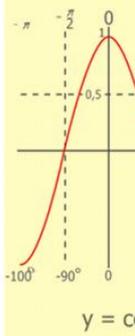
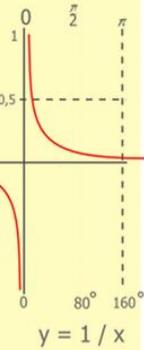
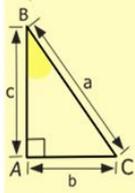
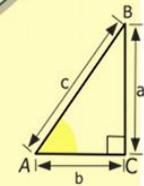
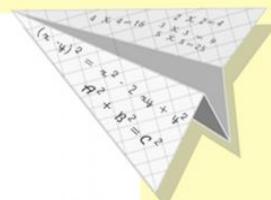
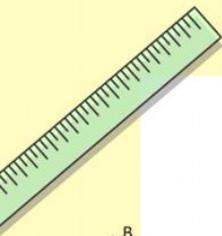
$$\begin{cases} x = 25y + 45 \\ y = 1 \\ x = 25 + 45 \\ x = 70 \end{cases}$$

$$(x+y)(x-y) = x^2 - y^2$$



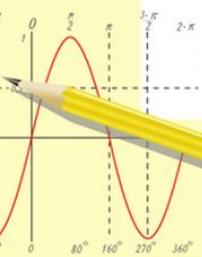
3 тур

АНАГРАММЫ



$$\begin{array}{r} 2500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 10500 \end{array}$$

- $2 \times 2 = 4$
- $3 \times 3 = 9$
- $4 \times 4 = 16$
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- $8 \times 8 = 64$
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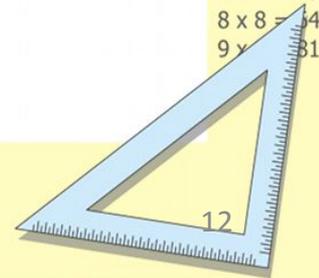
$$\sin 90^\circ = 1$$



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$$\begin{cases} y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$

$$(x+y)(x-y) = x^2 - y^2$$



РАСШИФРУЙТЕ АНАГРАММЫ И НАЙДИТЕ ЛИШНЕЕ СЛОВО.

Мамус

Нышаумемое

Егамоесла

Норазсть

Ретозок

Чивымоетае

Веиздепроние

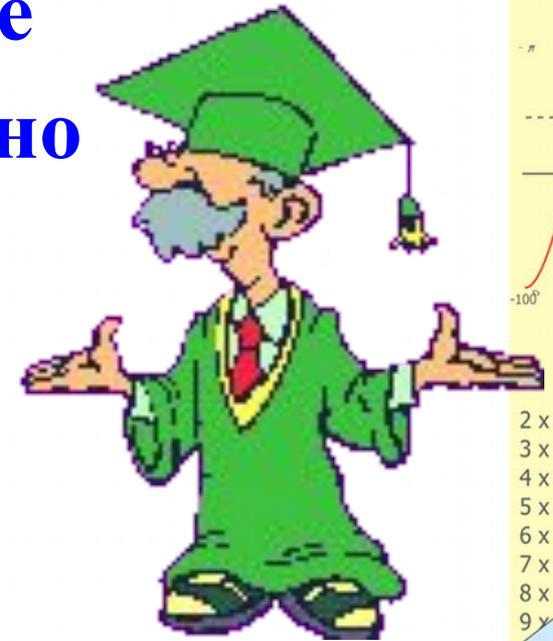
Молиеде

Стечано

Равниеуне

Жильтемно

Телидель



- Сумма
- Уменьшаемое
- Слагаемое
- Разность
- Отрезок
- Вычитаемое

- Произведение
- Делимое
- Частное
- Уравнение
- Множитель
- Делитель

$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

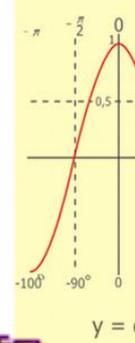
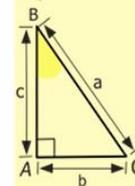
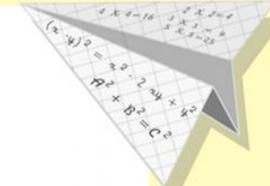
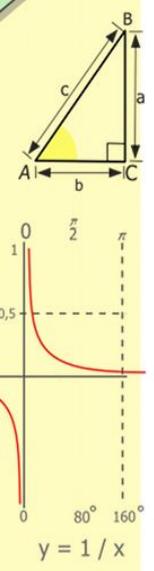
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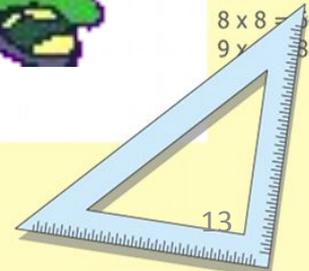
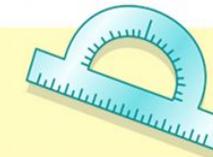
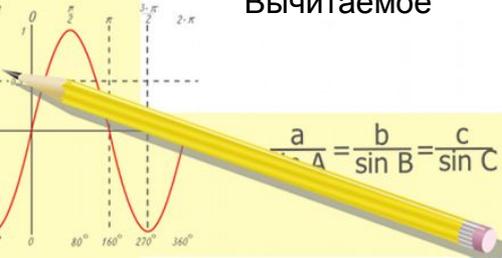
$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

$$\begin{cases} y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$

$$(x+y)(x-y) = x^2 - y^2$$

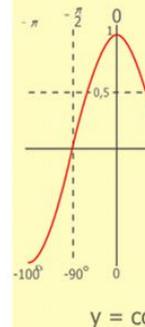
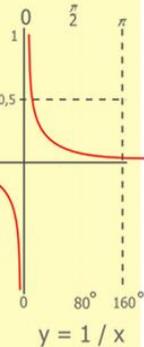
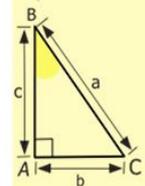
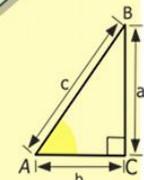
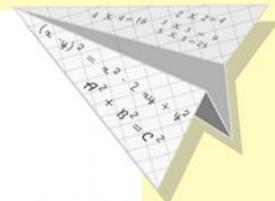
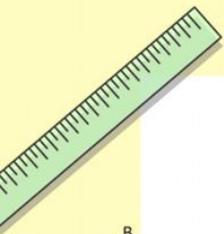


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- 4 x 4 = 16
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- 6 x 6 = 36
- 7 x 7 = 49
- 8 x 8 = 64
- 9 x 9 = 81



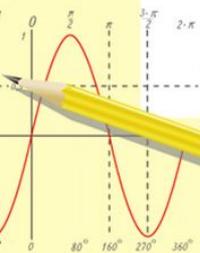
4 тур

ФИГУРКИ



$$\begin{array}{r} 2500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 10500 \end{array}$$

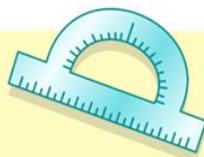
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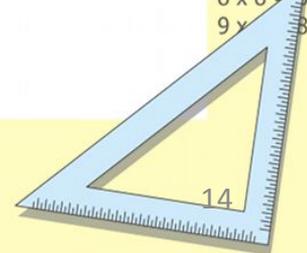
$$\sin 90^\circ = 1$$



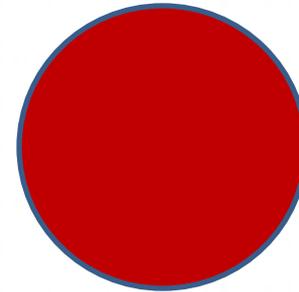
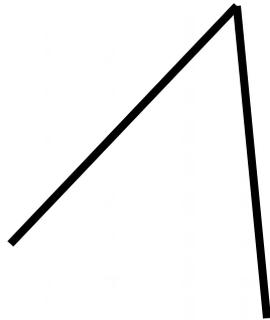
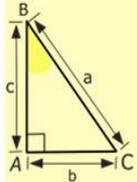
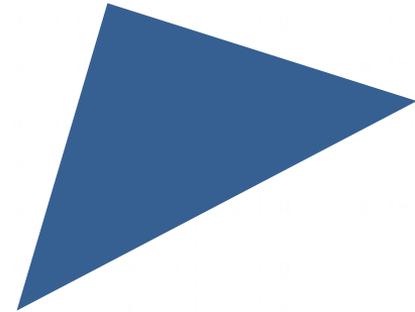
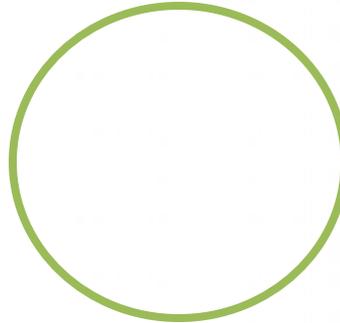
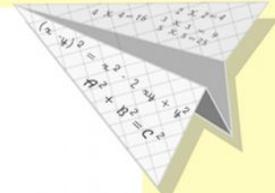
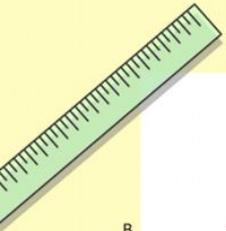
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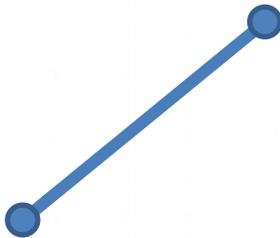


Назови фигуры



$$y = \cos$$

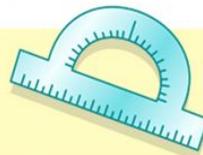
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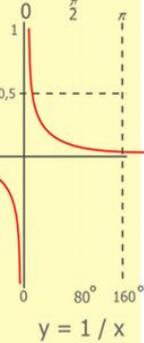
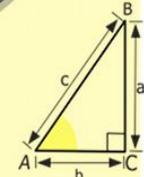
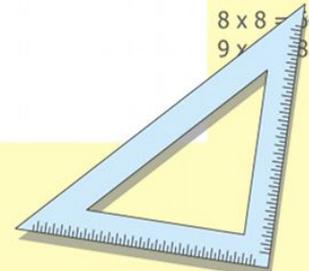
$$\sin 90^\circ = 1$$



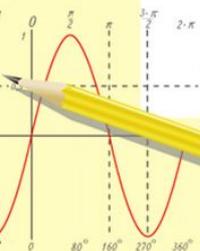
$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

$$\begin{cases} y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$

$$(x+y)(x-y) = x^2 - y^2$$



$$\begin{array}{r} 2500 \\ \times 42 \\ \hline 2100 \\ + 840 \\ \hline 105000 \end{array}$$



Угадай формулу

$$P=4a$$

$$P=2(a+b)$$

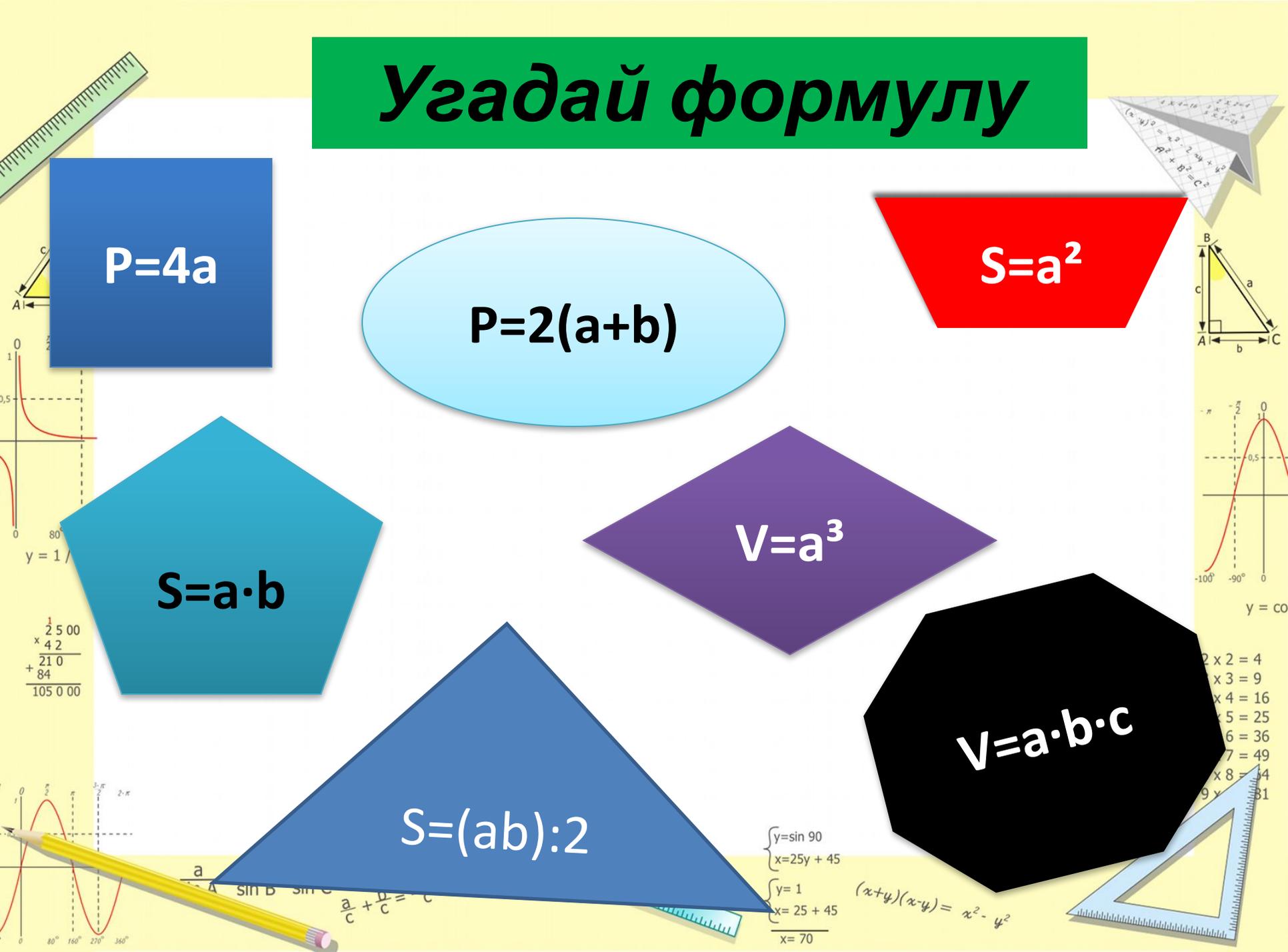
$$S=a^2$$

$$S=a \cdot b$$

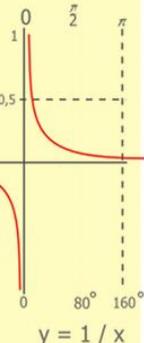
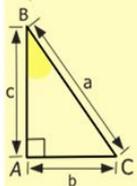
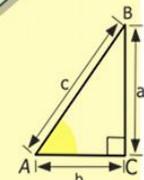
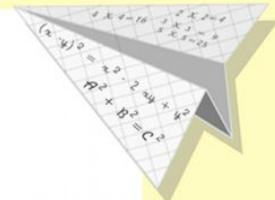
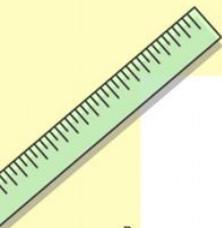
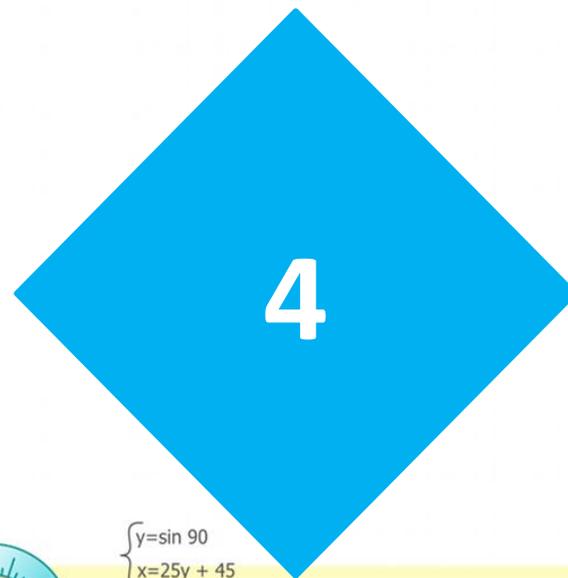
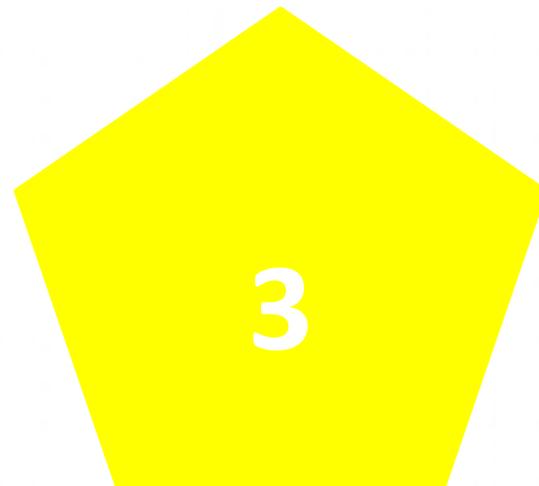
$$V=a^3$$

$$S=(ab):2$$

$$V=a \cdot b \cdot c$$

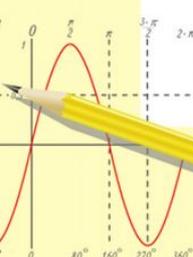


Какая фигура должна быть следующей и почему?



$$\begin{array}{r} 2500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 105000 \end{array}$$

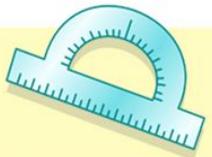
$$\begin{array}{l} 2 \times 2 = 4 \\ 3 \times 3 = 9 \\ 4 \times 4 = 16 \\ 5 \times 5 = 25 \\ 6 \times 6 = 36 \\ 7 \times 7 = 49 \\ 8 \times 8 = 64 \\ 9 \times 9 = 81 \end{array}$$



$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

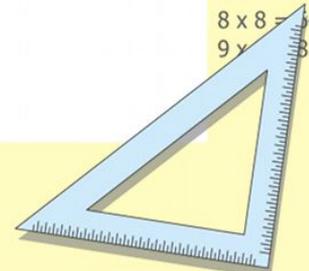
$$\sin 90^\circ = 1$$



$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

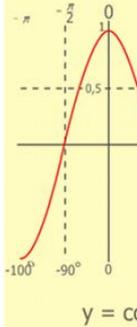
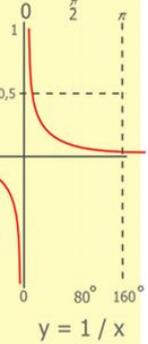
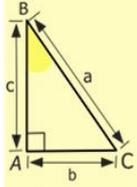
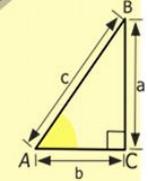
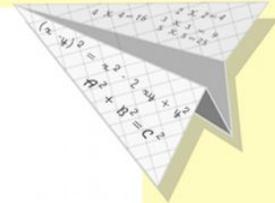
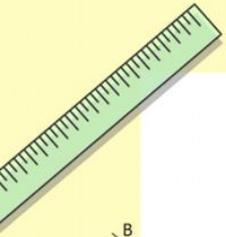
$$\begin{cases} y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$

$$(x+y)(x-y) = x^2 - y^2$$



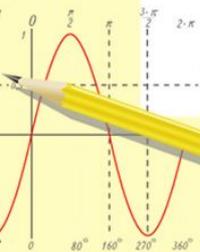
5 тур

ЭСТАФЕТА



$$\begin{array}{r} \frac{1}{2} 500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 10500 \end{array}$$

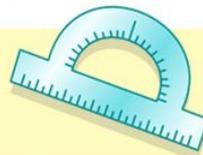
- $2 \times 2 = 4$
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- $5 \times 5 = 25$
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$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

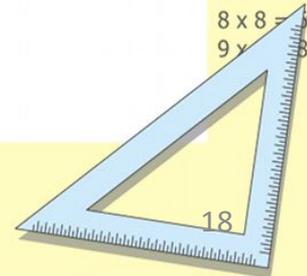
$$\sin 90^\circ = 1$$

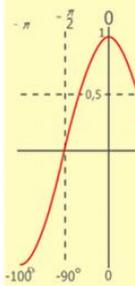
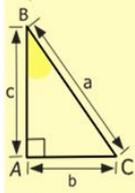
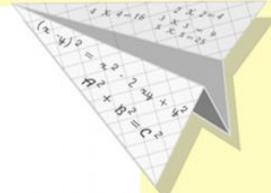


$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

$$\begin{cases} y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$

$$(x+y)(x-y) = x^2 - y^2$$





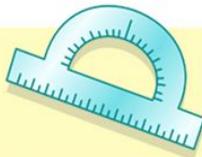
- $y = \cos$
- $2 \times 2 = 4$
 - $3 \times 3 = 9$
 - $4 \times 4 = 16$
 - $5 \times 5 = 25$
 - $6 \times 6 = 36$
 - $7 \times 7 = 49$
 - $8 \times 8 = 64$
 - $9 \times 9 = 81$

1. Вопрос: сколько ног у жука?
 Сколько ног у паука?
 У меня в одной коробке три жука,
 А в другой имею я три паука.
 В уголке шуршат бумагой два ежа,
 А в двух клетках распевают два чижа.
 Кто, ребята, сосчитать бы мне помог,
 Сколько вместе все они имеют ног?

Ответ: 54 ноги

$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

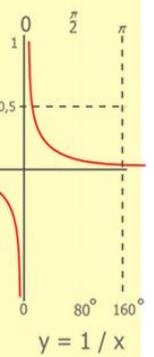
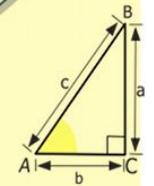
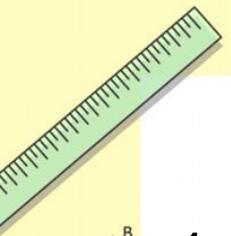
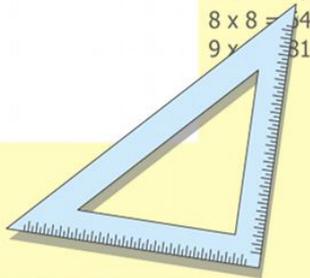
$$\sin 90^\circ = 1$$



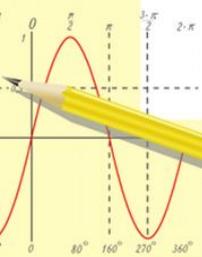
$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

$$\begin{cases} y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$

$$(x+y)(x-y) = x^2 - y^2$$



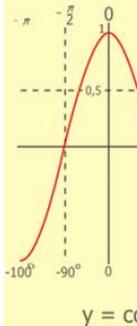
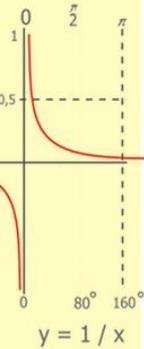
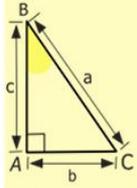
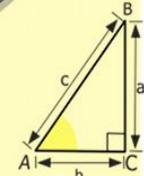
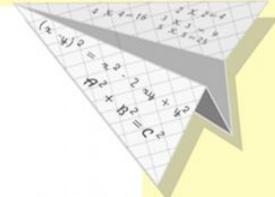
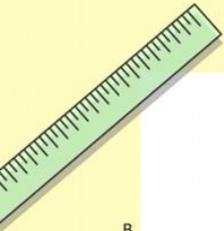
$$\begin{array}{r} 1 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 10500 \end{array}$$



Эстафета

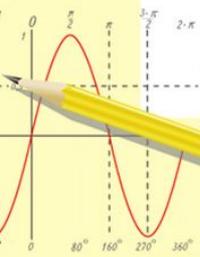
Задание 4: Решите задачу

В двух карманов было 28 орехов, причем в левом кармане в 3 раза больше, чем в правом. Сколько орехов было в каждом кармане?



$$\begin{array}{r} 1\ 2\ 5\ 00 \\ \times 4\ 2 \\ \hline 21\ 0 \\ + 84 \\ \hline 105\ 0\ 00 \end{array}$$

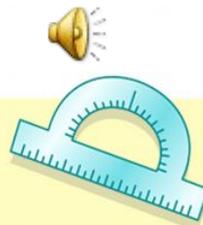
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$$\frac{a}{A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

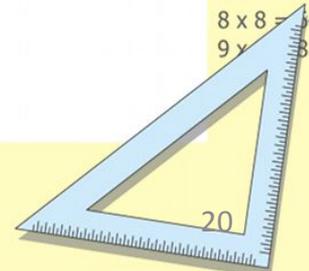
$$\sin 90^\circ = 1$$



$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

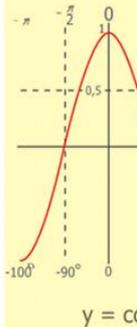
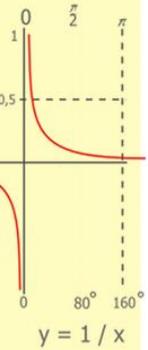
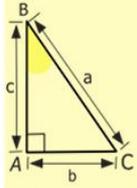
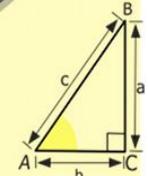
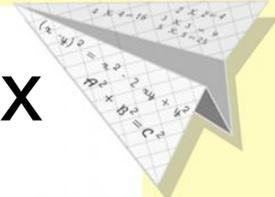
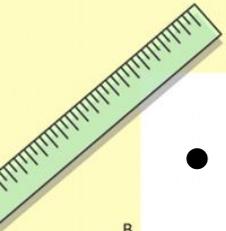
$$\begin{cases} y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$

$$(x+y)(x-y) = x^2 - y^2$$



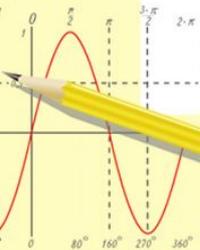
Решение:

- Пусть x орехов в правом кармане, $3x$ орехов в левом.
- $3x + x = 28$
- $4x = 28$
- $x = 7 \quad 7 * 3 = 21$
- Ответ: 7 орехов и 21 орех.



$$\begin{array}{r} 1 \\ 2500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 10500 \end{array}$$

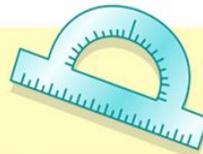
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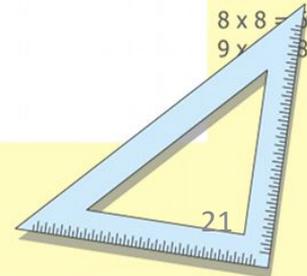
$$\sin 90^\circ = 1$$



$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

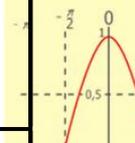
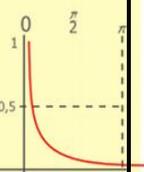
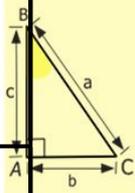
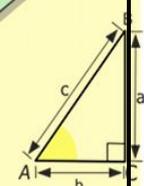
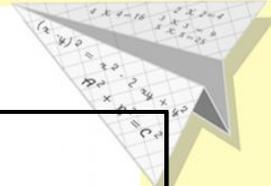
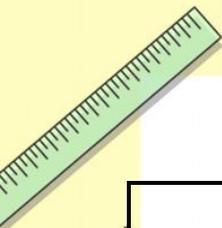
$$\begin{cases} y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$

$$(x+y)(x-y) = x^2 - y^2$$



Заполните таблицу:

a	1	4	7	12	20
$a + 6$	7	10	13	18	26
$6a$	6	24	42	72	120

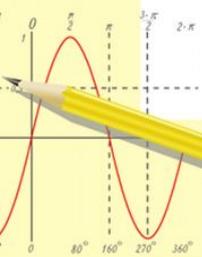
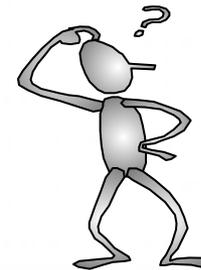
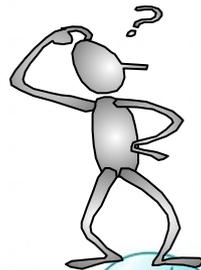
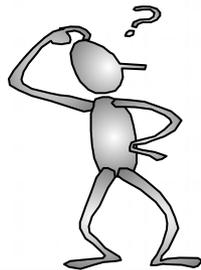


$y = 1/x$

$y = \cos$

$\frac{1}{2} \times 500$
 $\times 42$
 $\frac{210}{84}$
 $\frac{105000}{84}$

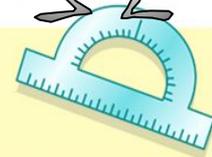
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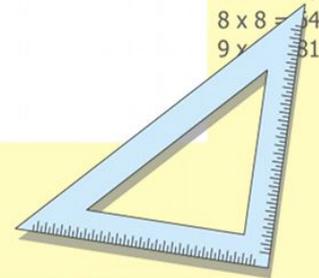
$$\sin 90^\circ = 1$$



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Заполните таблицу:

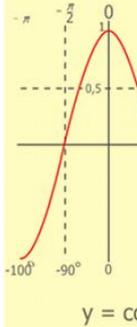
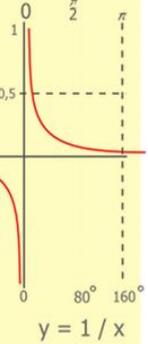
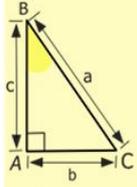
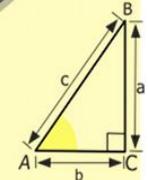
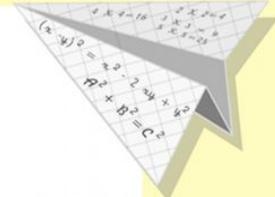
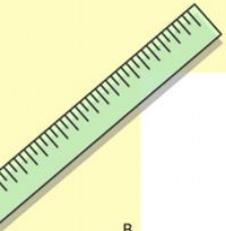
x	0	2	14	18
$15 + 2x$	15	19	43	51
$40 - 2x$	40	36	12	4

при $x = 0$: $15 + 2x = 15 + 2 \cdot 0 = 15$

при $x = 0$: $40 - 2x = 40 - 2 \cdot 0 = 40$

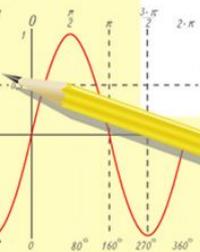
6 тур

КРОССВОРД



$$\begin{array}{r} 2500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 105000 \end{array}$$

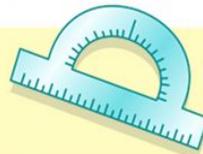
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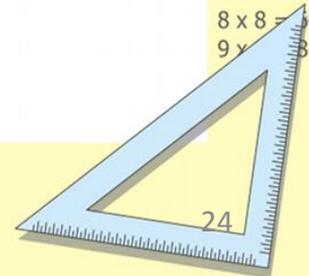
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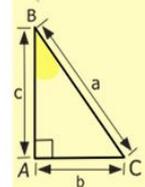
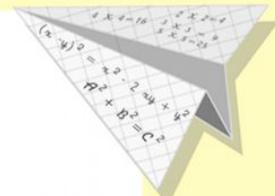
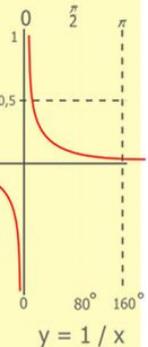
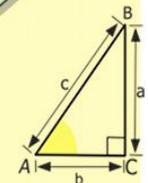
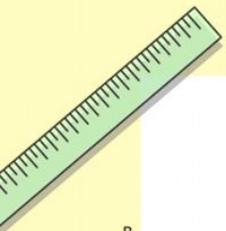
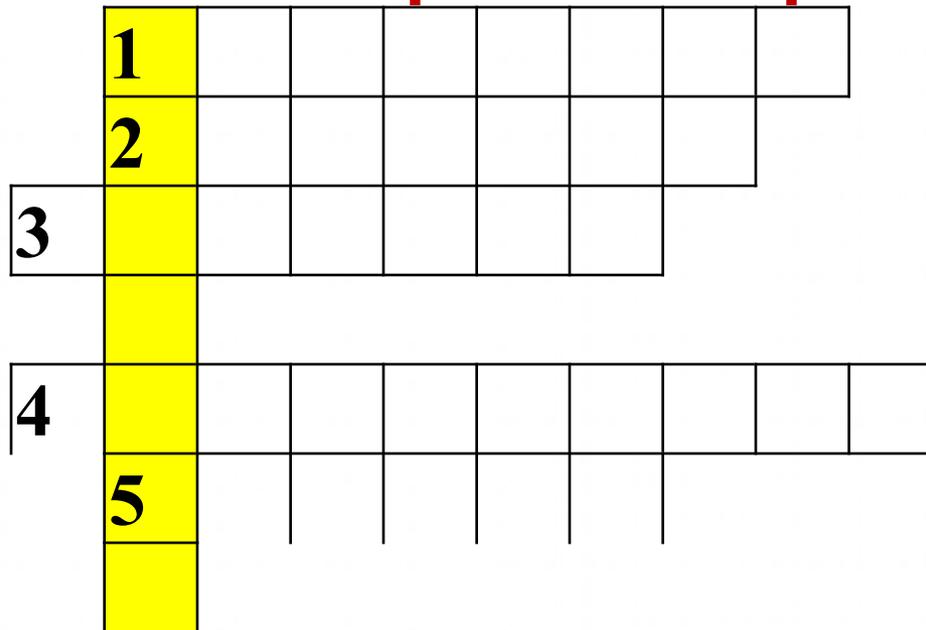
$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

$$\begin{cases} y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$

$$(x+y)(x-y) = x^2 - y^2$$



Разгадайте кроссворд



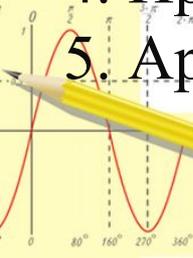
1. Сумма длин сторон геометрической фигуры.

2. Инструмент для измерения длины отрезка.

3. Правило, записанное с помощью букв.

4. Пройденный путь.

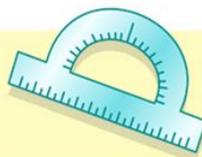
5. Арифметическое действие.



$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

$$\sin 90^\circ = 1$$



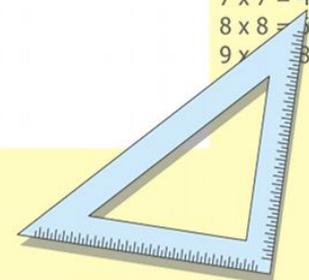
$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

$$\begin{cases} y = 1 \\ x = 25 + 45 \end{cases}$$

$$x = 70$$

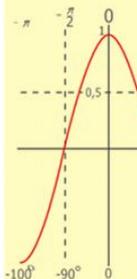
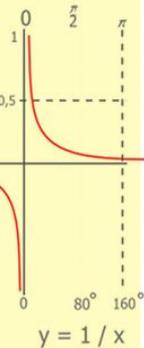
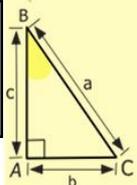
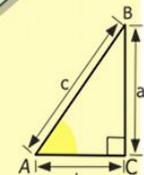
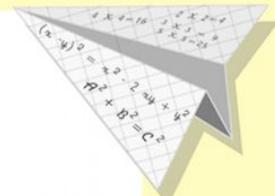
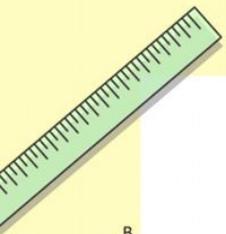
$$(x+y)(x-y) = x^2 - y^2$$

- 2 x 2 = 4
- 3 x 3 = 9
- 4 x 4 = 16
- 5 x 5 = 25
- 6 x 6 = 36
- 7 x 7 = 49
- 8 x 8 = 64
- 9 x 9 = 81



Проверьте себя

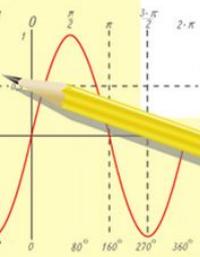
	1 п	е	р	и	м	е	т	р
	2 л	и	н	е	й	к	а	
3 ф	о	р	м	у	л	а		
	щ							
4 р	а	с	с	т	о	я	н	и
	5 д	е	л	е	н	и	е	
	ь							



$$\begin{array}{r} 2500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 10500 \end{array}$$

$y = \cos$

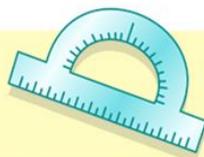
- $2 \times 2 = 4$
- $3 \times 3 = 9$
- $4 \times 4 = 16$
- $5 \times 5 = 25$
- $6 \times 6 = 36$
- $7 \times 7 = 49$
- $8 \times 8 = 64$
- $9 \times 9 = 81$



$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

$$\sin 90^\circ = 1$$

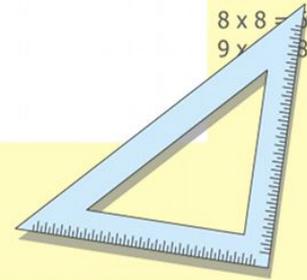


$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

$$\begin{cases} y = 1 \\ x = 25 + 45 \end{cases}$$

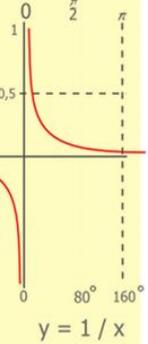
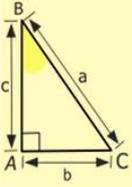
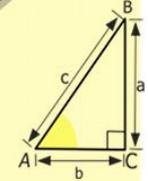
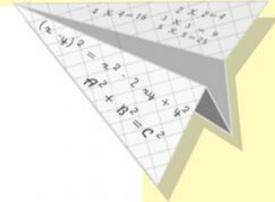
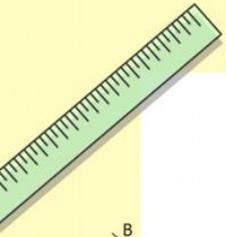
$$x = 70$$

$$(x+y)(x-y) = x^2 - y^2$$



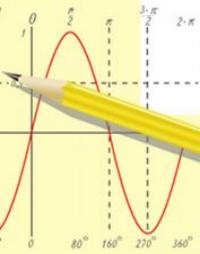
7 тур

КОНКУРС КАПИТАНОВ



$$\begin{array}{r} 2500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 10500 \end{array}$$

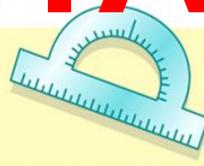
- $2 \times 2 = 4$
- $3 \times 3 = 9$
- $4 \times 4 = 16$
- $5 \times 5 = 25$
- $6 \times 6 = 36$
- $7 \times 7 = 49$
- $8 \times 8 = 64$
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$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

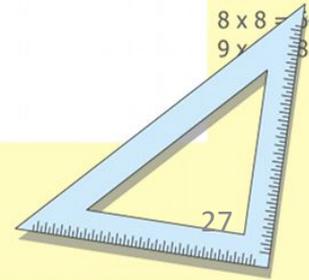
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

$$\sin 90^\circ = 1$$



$$\begin{cases} y = \sin 40 \\ x = 25y + 45 \\ y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$

$$(x+y)(x-y) = x^2 - y^2$$



Конкурс капитанов



Задание

Какую сумму денег вы должны были бы заплатить сборщику податей, если получили бы следующую квитанцию:

Для капитана 1 команды:

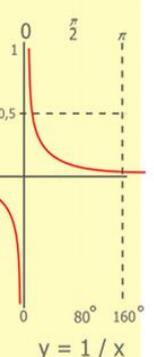
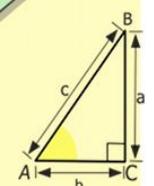
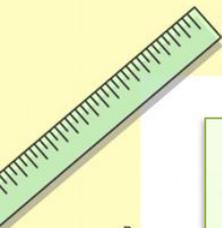
Квитанция об уплате подати за движение по дороге.

Сумма: ☀️ 🌀 🌀 🌀 □ □ □ □ □ □ || || || || ||

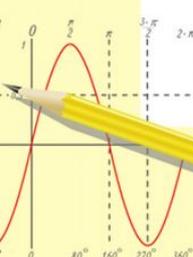
Для капитана 2 команды:

Квитанция об уплате подати за пользование солью.

Сумма: ☀️☀️ 🌀 🌀 □ □ □ □ □ □ □ ○ ○ ○ || || || || ||



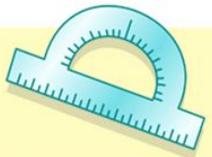
$$\begin{array}{r} \frac{1}{2} 500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 105000 \end{array}$$



$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

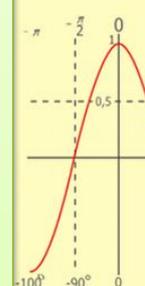
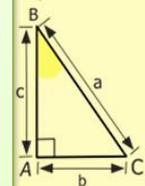
$$\sin 90^\circ = 1$$



$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

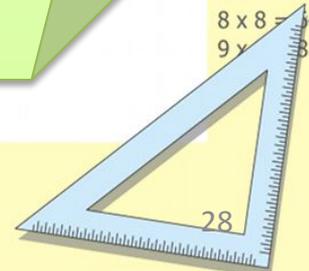
$$\begin{cases} y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$

$$(x+y)(x-y) = x^2 - y^2$$



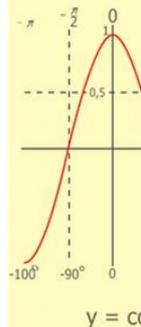
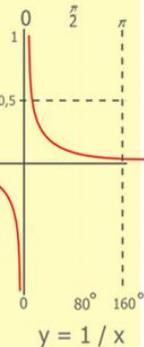
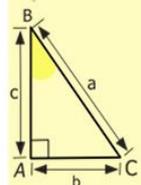
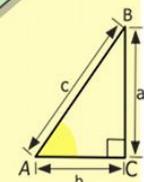
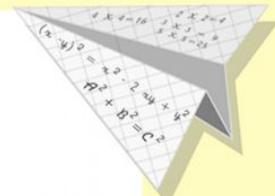
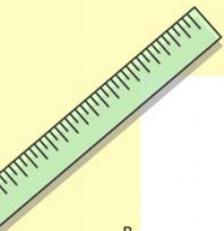
$$y = \cos$$

- 2 x 2 = 4
- 3 x 3 = 9
- 4 x 4 = 16
- 5 x 5 = 25
- 6 x 6 = 36
- 7 x 7 = 49
- 8 x 8 = 64
- 9 x 9 = 81



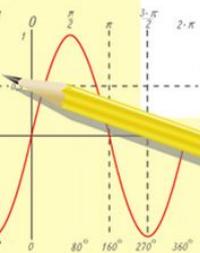
8 тур

ИГРА СО ЗРИТЕЛЯМИ



$$\begin{array}{r} 2500 \\ \times 42 \\ \hline 2100 \\ + 840 \\ \hline 105000 \end{array}$$

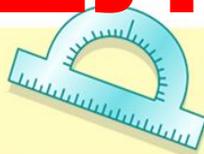
- $2 \times 2 = 4$
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- $4 \times 4 = 16$
- $5 \times 5 = 25$
- $6 \times 6 = 36$
- $7 \times 7 = 49$
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$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

$$\sin 90^\circ = 1$$

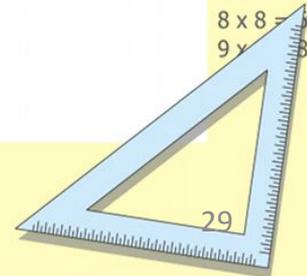


$$\begin{cases} y = 90 \\ x = 25y + 45 \end{cases}$$

$$\begin{cases} y = 1 \\ x = 25 + 45 \end{cases}$$

$$(x+y)(x-y) = x^2 - y^2$$

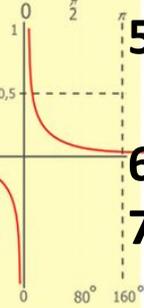
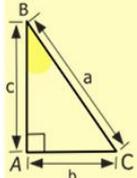
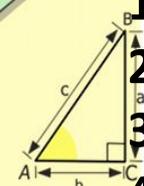
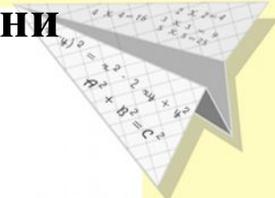
$$x = 70$$



Игра со зрителями

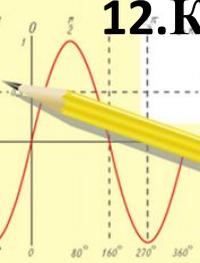
Каждой команде по очереди задаются вопросы, на которые они должны ответить.

1. Какой ключ не отмыкает замок?
2. Какую траву и слепой узнает?
3. Из какой посуды не едят?
4. Сколько яиц можно съесть натощак?
5. Петух, стоя на одной ноге весит 5кг. Сколько он будет весить, стоя на двух ногах?
6. На руках 10 пальцев. Сколько пальцев на 10 руках?
7. У родителей 6 сыновей. Каждый имеет сестру. Сколько всего детей в семье?
8. Тройка лошадей пробежала путь 30км. Сколько пробежала каждая лошадь?
9. Какое число приказывает?
10. Сколько единиц в дюжине?
11. Сколько разных букв в названии нашей страны?
12. Когда сутки короче: зимой или летом?



$$\begin{array}{r} 12500 \\ \times 42 \\ \hline 2100 \\ + 8400 \\ \hline 105000 \end{array}$$

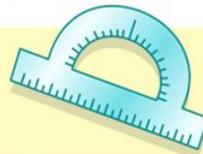
$$\begin{array}{l} 2 \times 2 = 4 \\ 3 \times 3 = 9 \\ 4 \times 4 = 16 \\ 5 \times 5 = 25 \\ 6 \times 6 = 36 \end{array}$$



$$\frac{a}{A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

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$$\sin 90^\circ = 1$$



$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

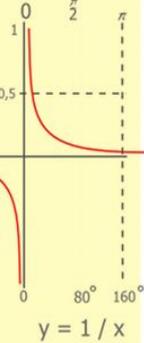
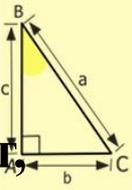
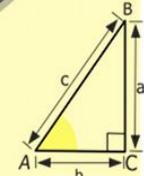
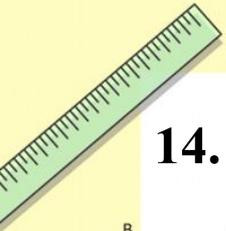
$$\begin{cases} y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$

$$(x+y)(x-y) = x^2 - y^2$$



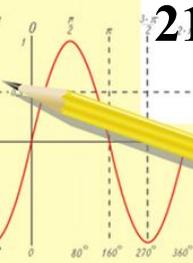
Игра со зрителями

- Катались 2 сына на трёхколёсных велосипедах, и их отец – на двухколёсном велосипеде. Сколько всего было колёс?
- Дед, бабушка, внучка, Жучка, кошка, мышка тянули-тянули и вытянули репку. Сколько глаз смотрело на репку?
- Какие два числа, если их перемножить, дают такой же результат, что и при их сложении?
- Из-под забора видно 6 пар лошадиных ног. Сколько этих животных во дворе?
- К однозначному числу приписали такую же цифру. Во сколько раз увеличилось число?
- Чтобы дойти Ивану Васильевичу до работы требуется 1,5 часа. С работы, торопясь домой, он возвращается по той же дороге за 90 минут. Чем вы объясните такую разницу?
- Сколько лет двадцатилетнему человеку было 4 года назад?
- Каким по счёту является “Ъ” в названии последнего месяца осени?



$$\begin{array}{r} 12500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 10500 \end{array}$$

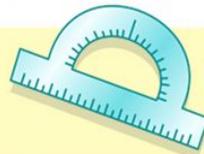
$$\begin{array}{l} 2 \times 2 = 4 \\ 3 \times 3 = 9 \\ 4 \times 4 = 16 \\ 5 \times 5 = 25 \\ 6 \times 6 = 36 \\ 7 \times 7 = 49 \\ 8 \times 8 = 64 \\ 9 \times 9 = 81 \end{array}$$



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$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

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$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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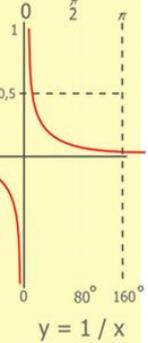
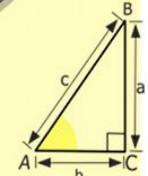
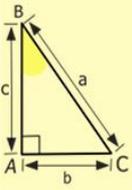
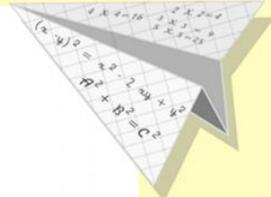
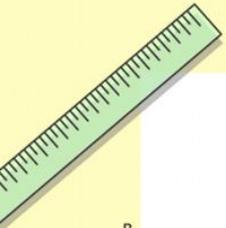
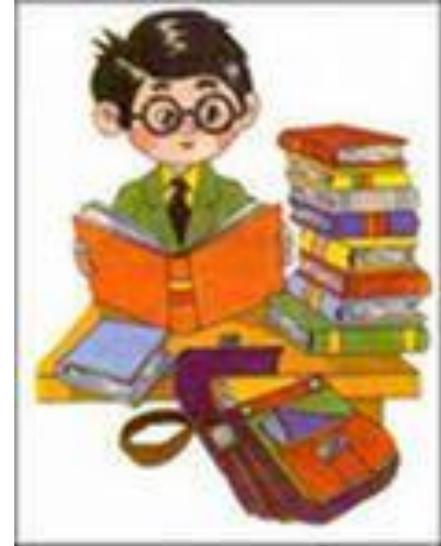
$$(x+y)(x-y) = x^2 - y^2$$



Игра со зрителями

Дополнительные вопросы:

1. - Сколько рогов у трех коров?
Сколько музыкантов в квартете?
2. - Наименьшее двузначное число?
3. - Чему равен пуд?



$$\begin{array}{r} 1 \\ 2500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 105000 \end{array}$$

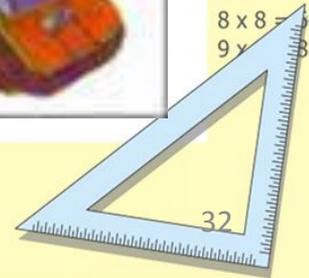
$$\begin{array}{l} 2 \times 2 = 4 \\ 3 \times 3 = 9 \\ 4 \times 4 = 16 \\ 5 \times 5 = 25 \\ 6 \times 6 = 36 \\ 7 \times 7 = 49 \\ 8 \times 8 = 64 \\ 9 \times 9 = 81 \end{array}$$

$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

$$\frac{a}{c} + \frac{b}{c} =$$

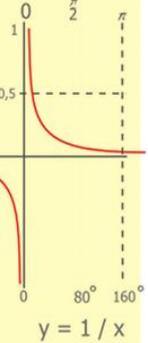
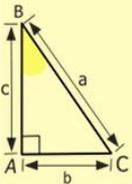
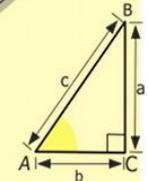
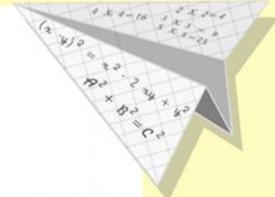
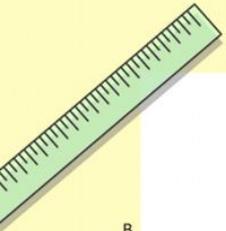
$$(x-y)(x+y) = x^2 - y^2$$

$$\frac{c}{x} = 70$$



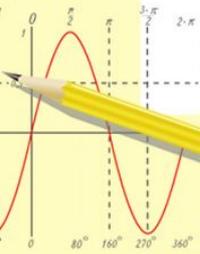
9 тур

ГОЛОВОЛОМКА



$$\begin{array}{r} \frac{1}{2} 500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 10500 \end{array}$$

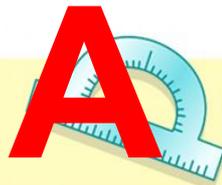
- 2 x 2 = 4
- 3 x 3 = 9
- 4 x 4 = 16
- 5 x 5 = 25
- 6 x 6 = 36
- 7 x 7 = 49
- 8 x 8 = 64
- 9 x 9 = 81



$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

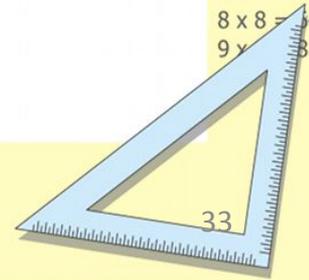
$$\sin 90^\circ = 1$$



$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

$$\begin{cases} y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$

$$(x+y)(x-y) = x^2 - y^2$$

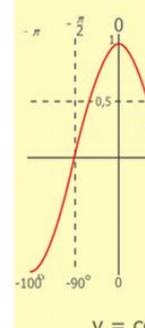
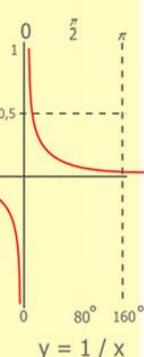
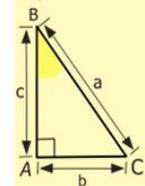
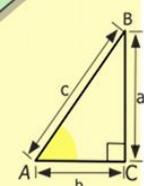
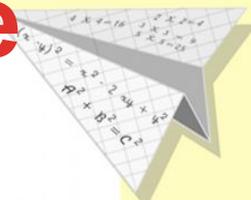
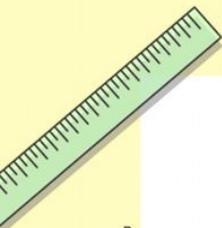


Головоломка «Восстанови пропущенные цифры»



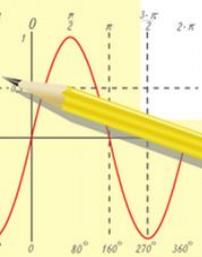
$$\begin{array}{r}
 6** \\
 \times 57 \\
 \hline
 *3*9 \\
 + **** \\
 \hline
 ***39
 \end{array}$$

$$\begin{array}{r}
 627 \\
 \times 57 \\
 \hline
 4389 \\
 + 3135 \\
 \hline
 35739
 \end{array}$$



$$\begin{array}{r}
 2500 \\
 \times 42 \\
 \hline
 210 \\
 + 84 \\
 \hline
 10500
 \end{array}$$

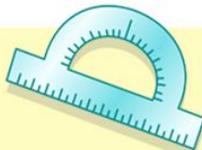
- 2 x 2 = 4
- 3 x 3 = 9
- 4 x 4 = 16
- 5 x 5 = 25
- 6 x 6 = 36
- 7 x 7 = 49
- 8 x 8 = 64
- 9 x 9 = 81



$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

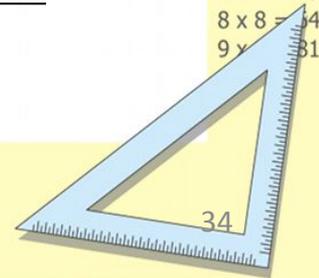
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

$$\sin 90^\circ = 1$$



$$\begin{cases}
 y = \sin 90 \\
 x = 25y + 45 \\
 y = 1 \\
 x = 25 + 45 \\
 \hline
 x = 70
 \end{cases}$$

$$(x+y)(x-y) = x^2 - y^2$$

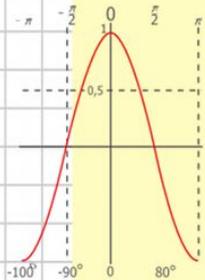
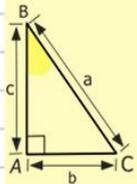
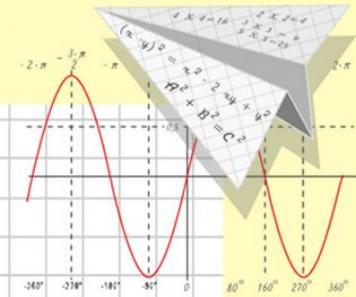
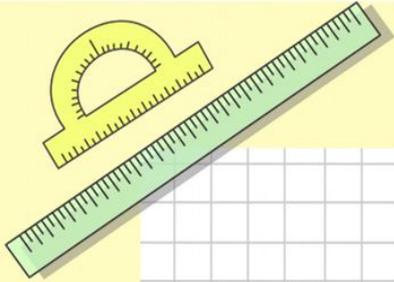


Математик

а

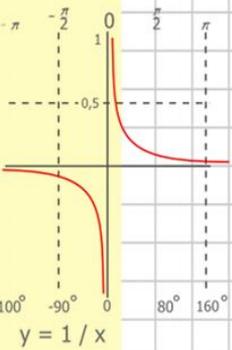
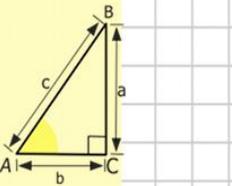
10 тур

ребусы



$y = \cos x$

- $2 \times 2 = 4$
- $3 \times 3 = 9$
- $4 \times 4 = 16$
- $5 \times 5 = 25$
- $6 \times 6 = 36$
- $7 \times 7 = 49$
- $8 \times 8 = 64$



$$\begin{array}{r} 2500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 10500 \end{array}$$



Подкова Т.Г. и Минасян Л.Г. МБОУ СОШ № 2 МО город Горячий Ключ

$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \\ y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$

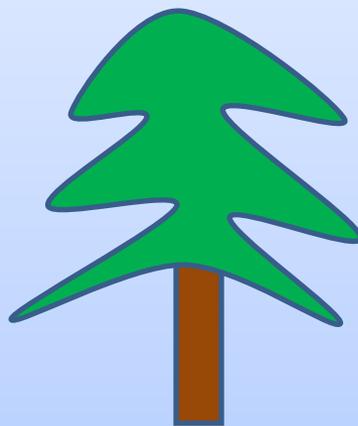
$$(x+y)(x-y) = x^2 - y^2$$

1

ребус

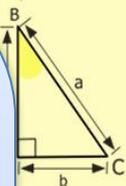
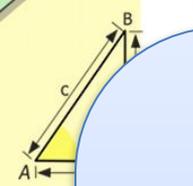
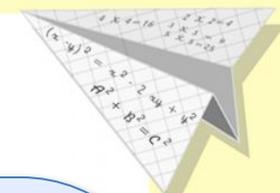
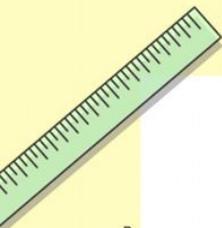
3
M

E
T



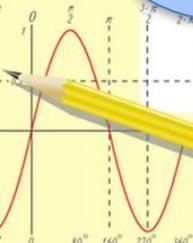
Ответ:

СЛУЖИТЕЛИ



$$\begin{array}{r} x \ 4 \\ + 21 \\ + 84 \\ \hline 105 \end{array}$$

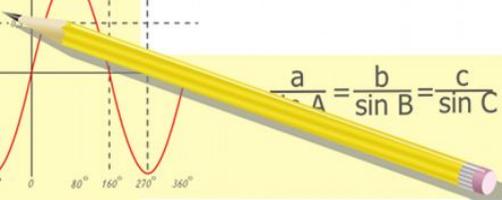
- x 2 = 4
- x 3 = 9
- x 4 = 16
- x 5 = 25
- 6 x 6 = 36
- 7 x 7 = 49
- 8 x 8 = 64
- 9 x 9 = 81



$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

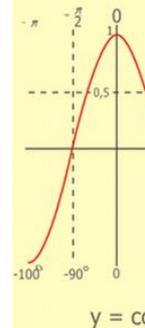
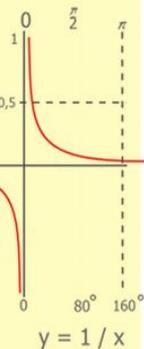
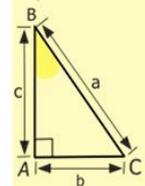
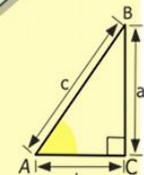
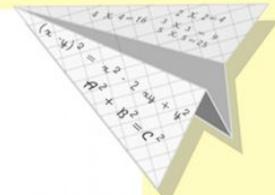
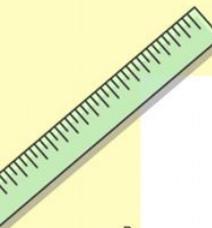
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

$$\sin 90^\circ = 1$$



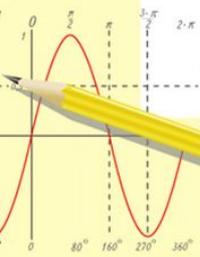
$$\overline{x = 70}$$

2 ребус



$$\begin{array}{r} 2500 \\ \times 42 \\ \hline 2100 \\ + 8400 \\ \hline 105000 \end{array}$$

- 2 x 2 = 4
- 3 x 3 = 9
- 4 x 4 = 16
- 5 x 5 = 25
- 6 x 6 = 36
- 7 x 7 = 49
- 8 x 8 = 64
- 9 x 9 = 81



$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

$$\sin 90^\circ = 1$$



Ответ:

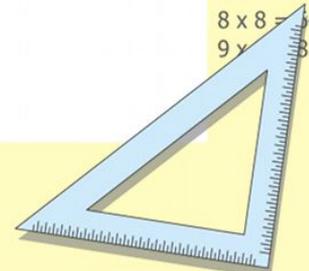
задача

$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

$$\begin{cases} y = 1 \\ x = 25 + 45 \end{cases}$$

$$x = 70$$

$$(x-y)(x+y) = x^2 - y^2$$

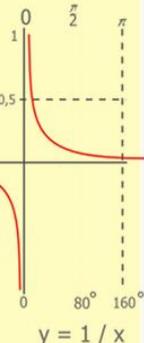
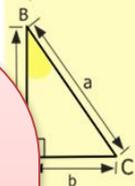
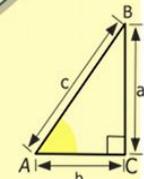
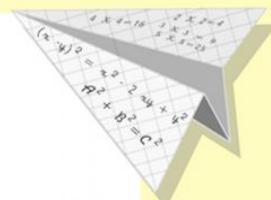
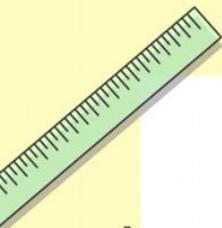


3 ребус

10⁴ И
ЧЯ

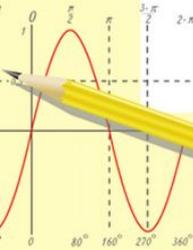
Ответ:

десятичная



$$\begin{array}{r} 2500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 105000 \end{array}$$

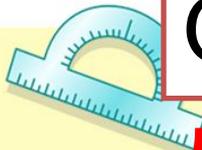
- $2 = 4$
- $3 = 9$
- $4 = 16$
- $5 = 25$
- $6 \times 6 = 36$
- $7 \times 7 = 49$
- $8 \times 8 = 64$
- $9 \times 9 = 81$



$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

$$\sin 90^\circ = 1$$



$$x = 25 + 45$$

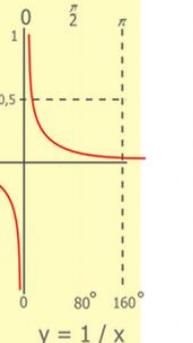
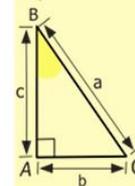
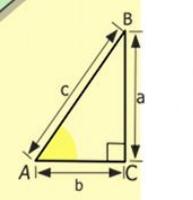
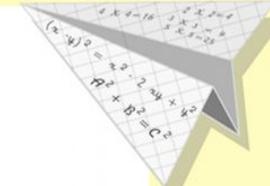
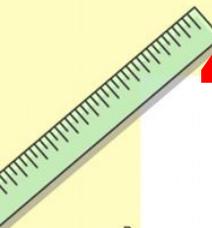
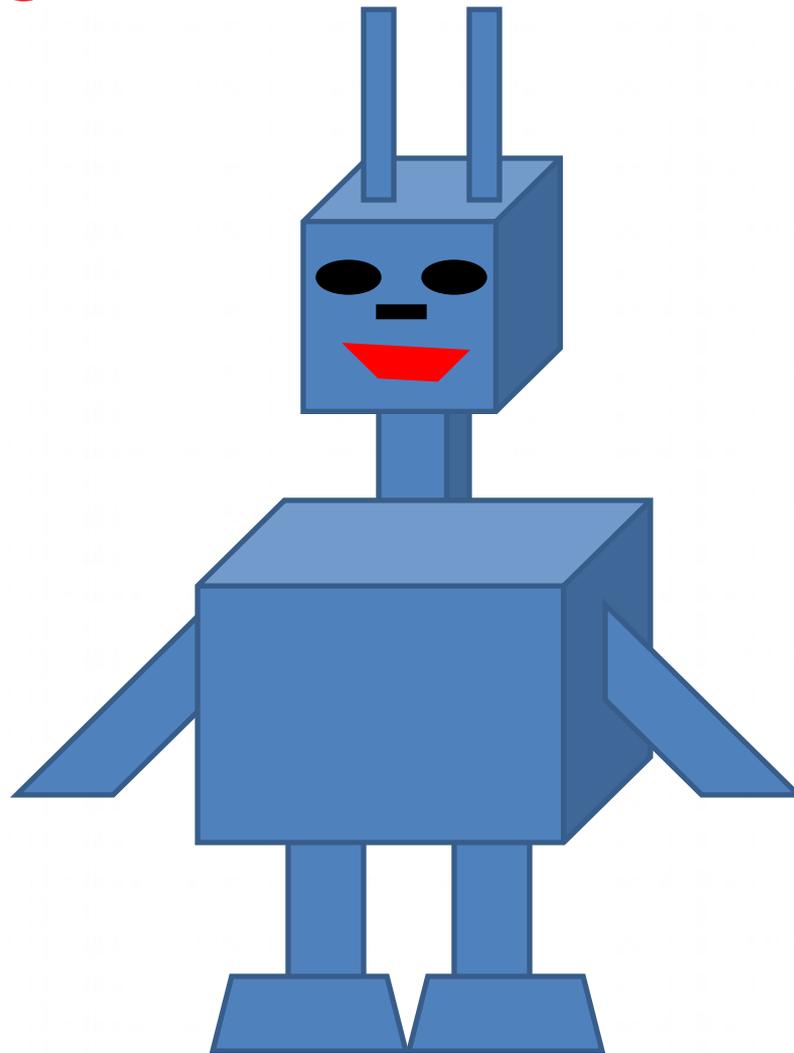
$$y = x^2 - 11^2$$



4 ребус

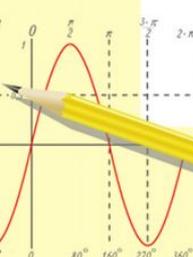
2”

” б



$$\begin{array}{r} 1 \\ 2500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 105000 \end{array}$$

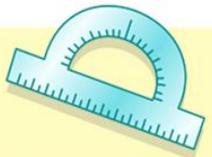
- 2 x 2 = 4
- 3 x 3 = 9
- 4 x 4 = 16
- 5 x 5 = 25
- 6 x 6 = 36
- 7 x 7 = 49
- 8 x 8 = 64
- 9 x 9 = 81



$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

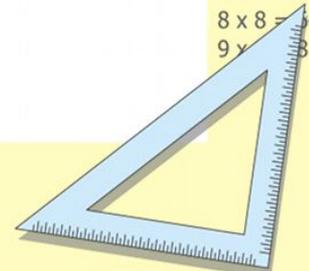
$$\sin 90^\circ = 1$$



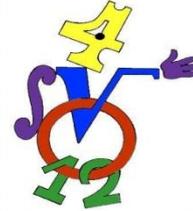
$$\begin{cases} y = \sin 90 \\ x = 25 + 45 \\ y = 1 \\ x = 25 + 45 \\ x = 70 \end{cases}$$

ОТВЕТ:

70



Награждение



ДИПЛОМ

Победителю
игры

«Математический КВН»

вручается

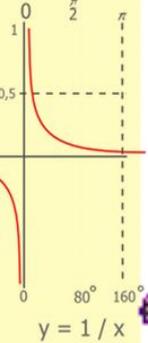
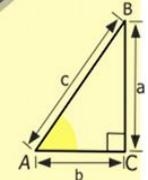
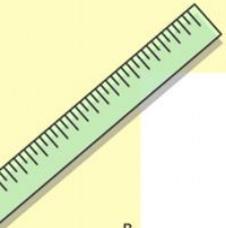
5« __ » классу

Директор школы:

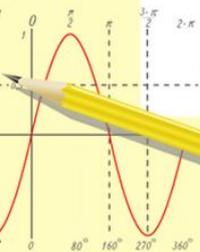
Джабраилов М.М.



КСОШИ
Март 2014 года



$$\begin{array}{r} 12500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 105000 \end{array}$$



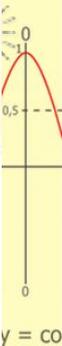
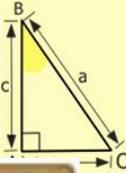
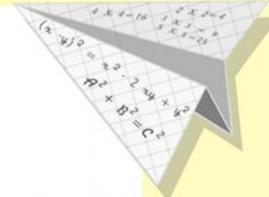
$$\frac{a}{A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

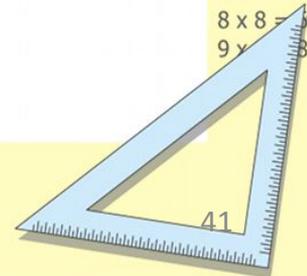
$$\sin 90^\circ = 1$$

$$x = 25 + 45$$

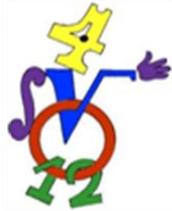
$$x^2 - y^2$$



- 2 x 2 = 4
- 3 x 3 = 9
- 4 x 4 = 16
- 5 x 5 = 25
- 6 x 6 = 36
- 7 x 7 = 49
- 8 x 8 = 64
- 9 x 9 = 81



Награждение



Диплом

НАГРАЖДАЕТСЯ
КОМАНДА 5 «__»
КЛАССА,
ЗАНЯВШАЯ II МЕСТО
В ИГРЕ
«Математическ
ий КВН»

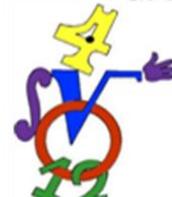
Директор школы:

Т.Е.Иванова



МОУ СОШ № 4
Февраль 2012 года

$$\sin 90^\circ = 1$$



Диплом

НАГРАЖДАЕТСЯ
КОМАНДА 5 «__»
КЛАССА,
ЗАНЯВШАЯ __ МЕСТО
В ИГРЕ
«Математическ
ий КВН»

Директор школы:

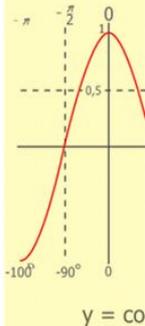
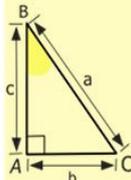
Т.Е.Иванова



МОУ СОШ № 4
Февраль 2012 года

$$\begin{cases} y = 1 \\ x = 25 + 45 \end{cases}$$

$$x = 70$$

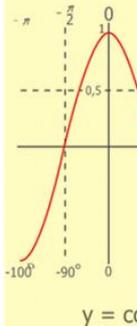
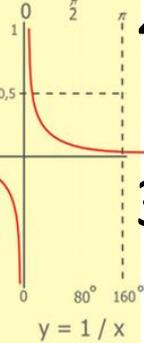
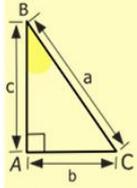
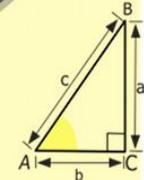
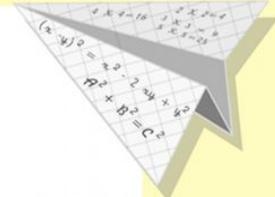
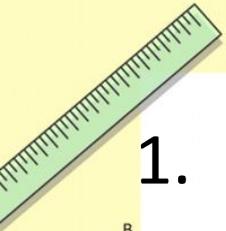


- $2 \times 2 = 4$
- $3 \times 3 = 9$
- $4 \times 4 = 16$
- $5 \times 5 = 25$
- $6 \times 6 = 36$
- $7 \times 7 = 49$
- $8 \times 8 = 64$
- $9 \times 9 = 81$

42

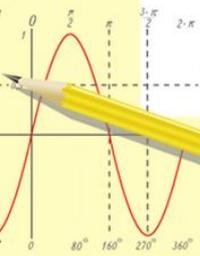
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$$\begin{array}{r} 1 \\ \times 2500 \\ \hline 2500 \\ + 210 \\ \hline 105000 \end{array}$$

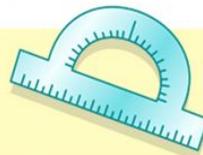
$$\begin{array}{l} 2 \times 2 = 4 \\ 3 \times 3 = 9 \\ 4 \times 4 = 16 \\ 5 \times 5 = 25 \\ 6 \times 6 = 36 \\ 7 \times 7 = 49 \\ 8 \times 8 = 64 \\ 9 \times 9 = 81 \end{array}$$



$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

$$\sin 90^\circ = 1$$

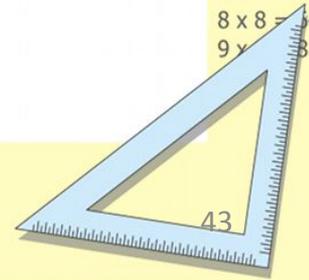


$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

$$\begin{cases} y = 1 \\ x = 25 + 45 \end{cases}$$

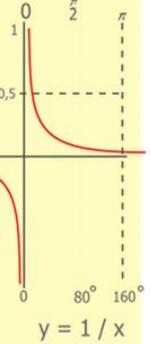
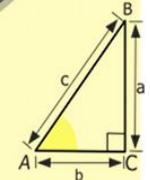
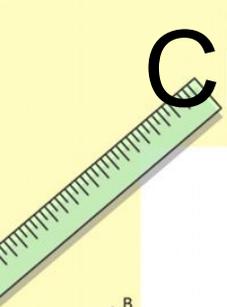
$$x = 70$$

$$(x+y)(x-y) = x^2 - y^2$$

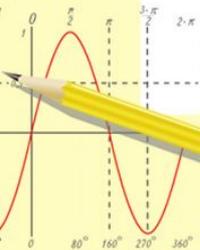


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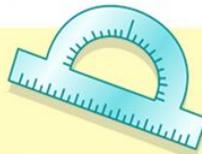
$$\begin{array}{r} 1 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 10500 \end{array}$$



$$\frac{a}{A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

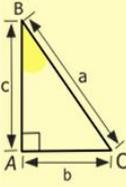
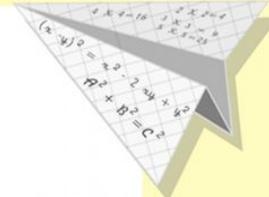
$$\sin 90^\circ = 1$$



$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

$$\begin{cases} y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$

$$(x+y)(x-y) = x^2 - y^2$$



$$\begin{array}{l} 2 \times 2 = 4 \\ 3 \times 3 = 9 \\ 4 \times 4 = 16 \\ 5 \times 5 = 25 \\ 6 \times 6 = 36 \\ 7 \times 7 = 49 \\ 8 \times 8 = 64 \\ 9 \times 9 = 81 \end{array}$$

