

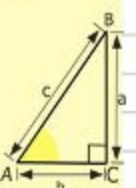
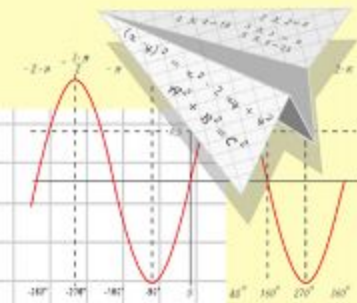
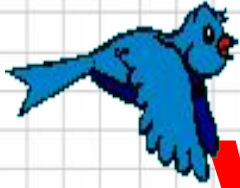
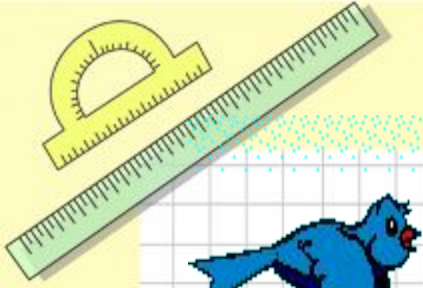
# Математик

а

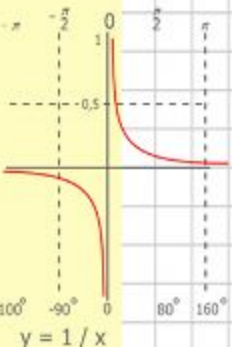
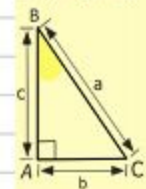
# Устный счет

## 5 - 6 класс

Подготовила: учитель математики Казанкова Т.В.



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

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



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

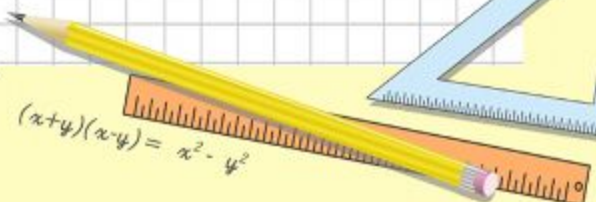
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$



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



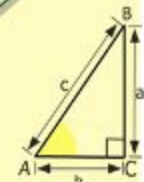
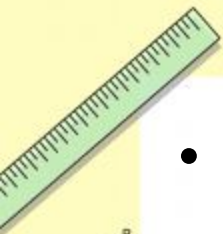
$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \\ y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$



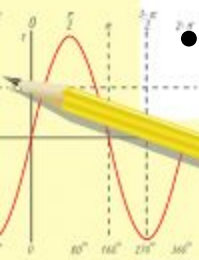
$$(x+y)(x-y) = x^2 - y^2$$

# Оглавление

- [Задание №1](#)
- [Задание №2](#)
- [Задание №3](#)
- [Задание №4](#)
- [Задание №5](#)
- [Задание №6](#)
- [Задание №7](#)
- [Задание №8](#)
- [Задание №9](#)
- [Задание №10](#)
- [Задание №11](#)
- [Задание №12](#)



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



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

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

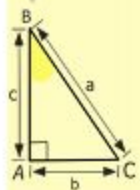
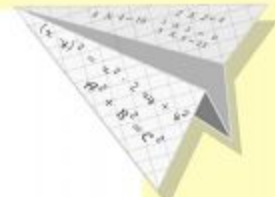
$$\sin 90^\circ = 1$$



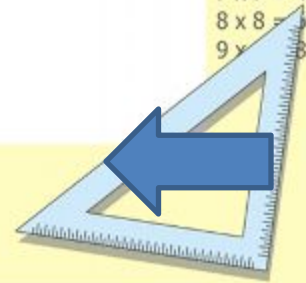
$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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

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



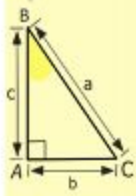
$$\begin{array}{l} 2 \times 2 = 4 \\ 3 \times 3 = 9 \\ 4 \times 4 = 16 \\ 5 \times 5 = 25 \\ 6 \times 6 = 36 \\ 7 \times 7 = 49 \\ 8 \times 8 = 64 \\ 9 \times 9 = 81 \end{array}$$



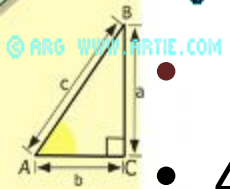
# Задание №1

Прочитайте числа:

- 12, 123;
  - 43, 211;
  - 334, 563, 456;
  - 75, 342, 345;
  - 380, 907;
  - 60 239;
  - 102 400;
  - 999 999.
- 12, 123;
  - 43, 211;
  - 334, 563, 456;
  - 75, 342, 345;
  - 380, 907;
  - 60 239;
  - 102 400;
  - 999 999;
  - 1 000 100 999.



- 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



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



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

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

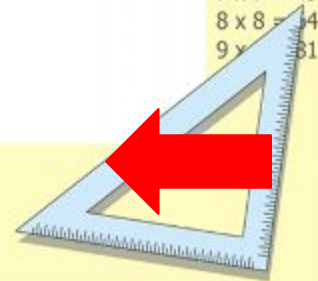
$$\sin 90^\circ = 1$$



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

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

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



# Задание №2



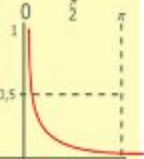
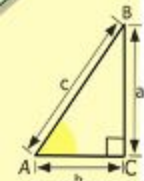
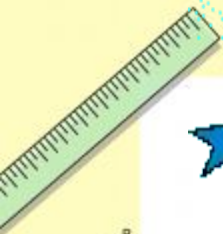
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Что означает цифра 5 в записи каждого из этих чисел?

- 15, 152, 514, 2 537, 5 007, 52 615

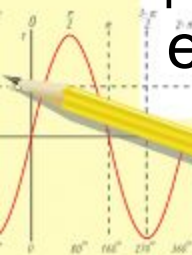
Назовите число:

- а) следующее за числом 99;
- б) предшествующее числу 300;
- в) следующее за числом 19 999;
- г) предшествующее числу 1 200;
- д) на 1 меньше числа 700;
- е) на 1 больше числа 8 999.



$$y = 1/x$$

$$\begin{array}{r} 1\ 2\ 5\ 00 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 105\ 000 \end{array}$$



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

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

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

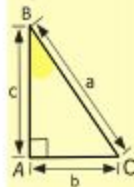
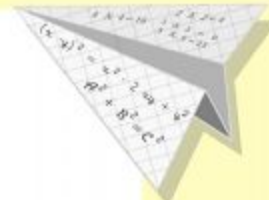


$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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

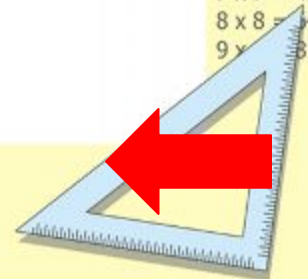
$$x = 70$$

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



$$y = \cos$$

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

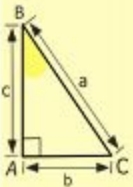
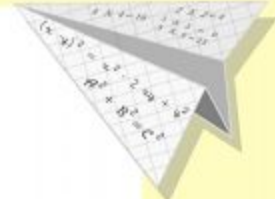


# Задание №3

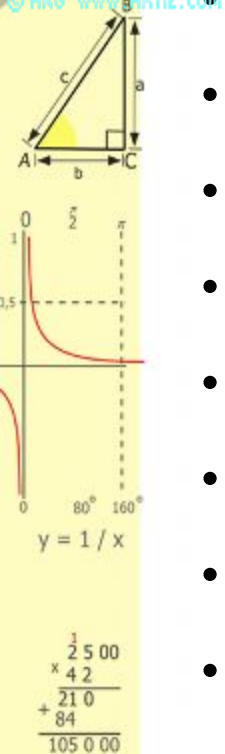


Запишите в тетради цифрами числа:

- Сто восемьдесят один.
- Восемьсот девять.
- Пять тысяч двести одиннадцать.
- Триста восемь тысяч восемьдесят девять.
- Двести шестьдесят пять тысяч девяноста три.
- Восемь миллионов сорок пять.
- Пятьсот семь миллионов восемьдесят тысяч.
- Сорок миллионов девятьсот двадцать одна тысяча один.
- Четыреста двадцать три миллиарда триста миллионов.
- Пятьдесят два миллиарда восемь тысяч двенадцать.
- Девять миллиардов сто пять тысяч.



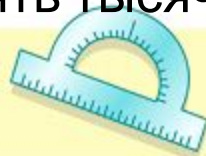
- $2 \times 2 = 4$
- $3 \times 3 = 9$
- $4 \times 4 = 16$
- $5 \times 5 = 25$
- $6 \times 6 = 36$
- $7 \times 7 = 49$
- $8 \times 8 = 64$
- $9 \times 9 = 81$



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

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

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

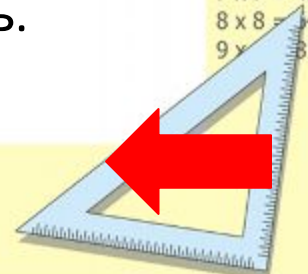


$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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

$$x = 70$$

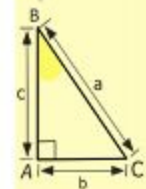
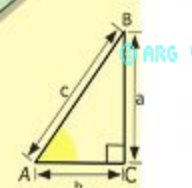
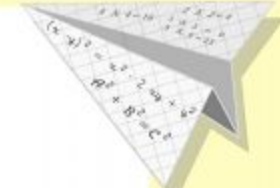
$$(x+y)(x-y) = x^2 - y^2$$



# Задание №4

Даны числа 108 и 4. Запишите их:

- $108 * 4$
- $108+4$
- $108-4$
- $108:4$



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

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



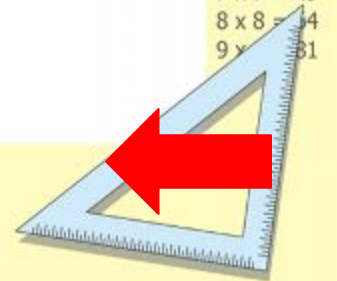
$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

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



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

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

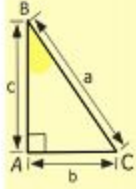


# Задание №5

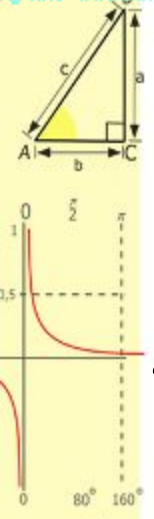


Выполните устно вычитание:

1.  $187 - 80 = ?$
2.  $589 - 189 = ?$
3.  $1\ 250 - 350 = ?$
4.  $3\ 000 - 11 = ?$
5.  $54\ 273 - 200 = ?$
6.  $43\ 156 - 3\ 000 = ?$
7.  $78\ 005 - 78\ 000 = ?$
8.  $45\ 087 - 50871 = ?$
9.  $2\ 222\ 222\ 222 - 2\ 000\ 000\ 000 = ?$
10.  $1\ 234\ 567\ 890 - 1\ 234\ 567\ 800 = ?$



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



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

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

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

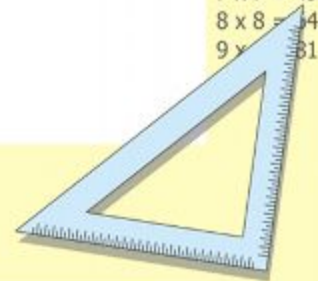
$$\sin 90^\circ = 1$$



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

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

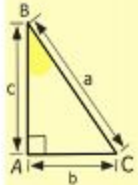
$$(x+y)(x-y) = x^2 - y^2$$



# Задание №6

Найдите неизвестное число, обозначенное буквой  $x$ .

- 1)  $27 + x = 102$ ,
- 2)  $x + 215 = 347$ ,
- 3)  $x - 193 = 37$ ,
- 4)  $496 - x = 187$



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



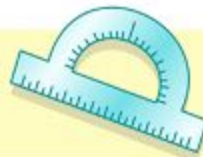
$$\begin{array}{r} 2500 \\ \times 42 \\ \hline 2100 \\ + 840 \\ \hline 105000 \end{array}$$



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

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

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

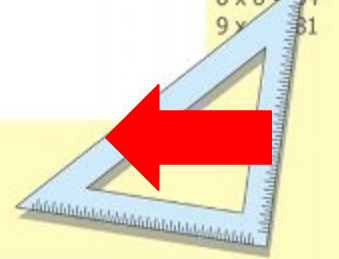


$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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

$$x = 70$$

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





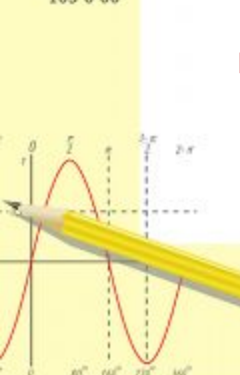
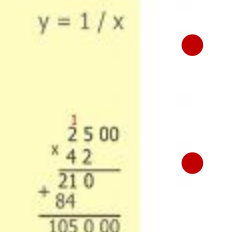
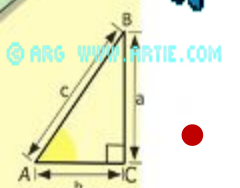
# Задание №7

У Вани было 109 марок, у Коли – 48 марок, у Саши – 35 марок, у Димы – 21 марка.

- а) На сколько больше марок у Вани, чем у остальных ребят?
- б) На сколько марок меньше у Коли, чем у остальных ребят?
- с) Сколько марок у всех ребят?
- д) На сколько марок больше у Вани и Димы, чем у Коли и Саши?



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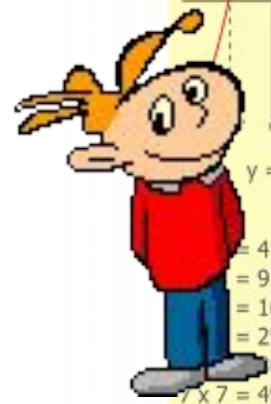
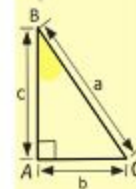
$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

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

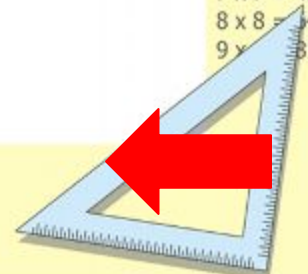


$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$
$$\begin{cases} y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$

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



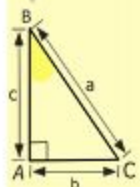
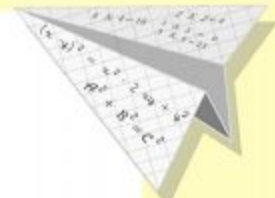
y = co
= 4
= 9
= 16
= 25
= 36
7 x 7 = 49
8 x 8 = 64
9 x 9 = 81



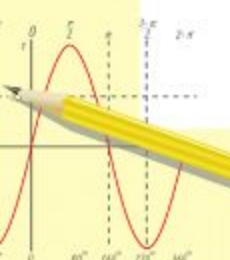
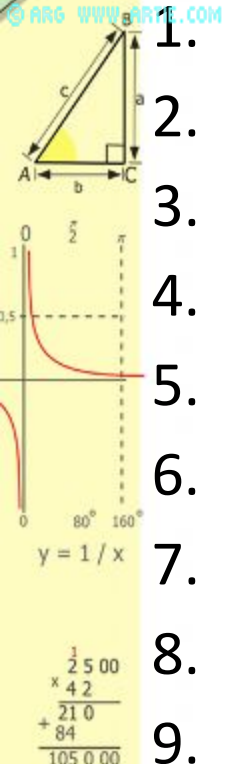
# Задание №8

Выполните устно сложение:

1.  $1\ 693 + 307 = ?$
2.  $128 + 22 = ?$
3.  $167 + 523 = ?$
4.  $57\ 854 + 3\ 006 = ?$
5.  $60\ 000 + 7\ 000 + 300 + 50 + 9 = ?$
6.  $8\ 000 + 6\ 000 + 1 = ?$
7.  $900\ 000 + 3\ 000 + 700 + 20 = ?$
8.  $1\ 000 + 3\ 541 + 9 = ?$
9.  $28\ 999\ 999\ 999 + 1 = ?$
10.  $1\ 234 + 106 = ?$



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



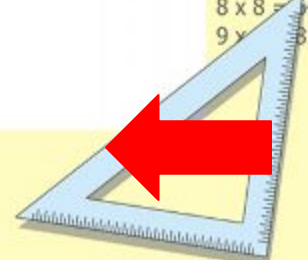
$$\frac{a}{A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

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

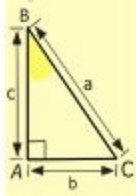
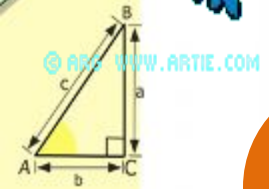
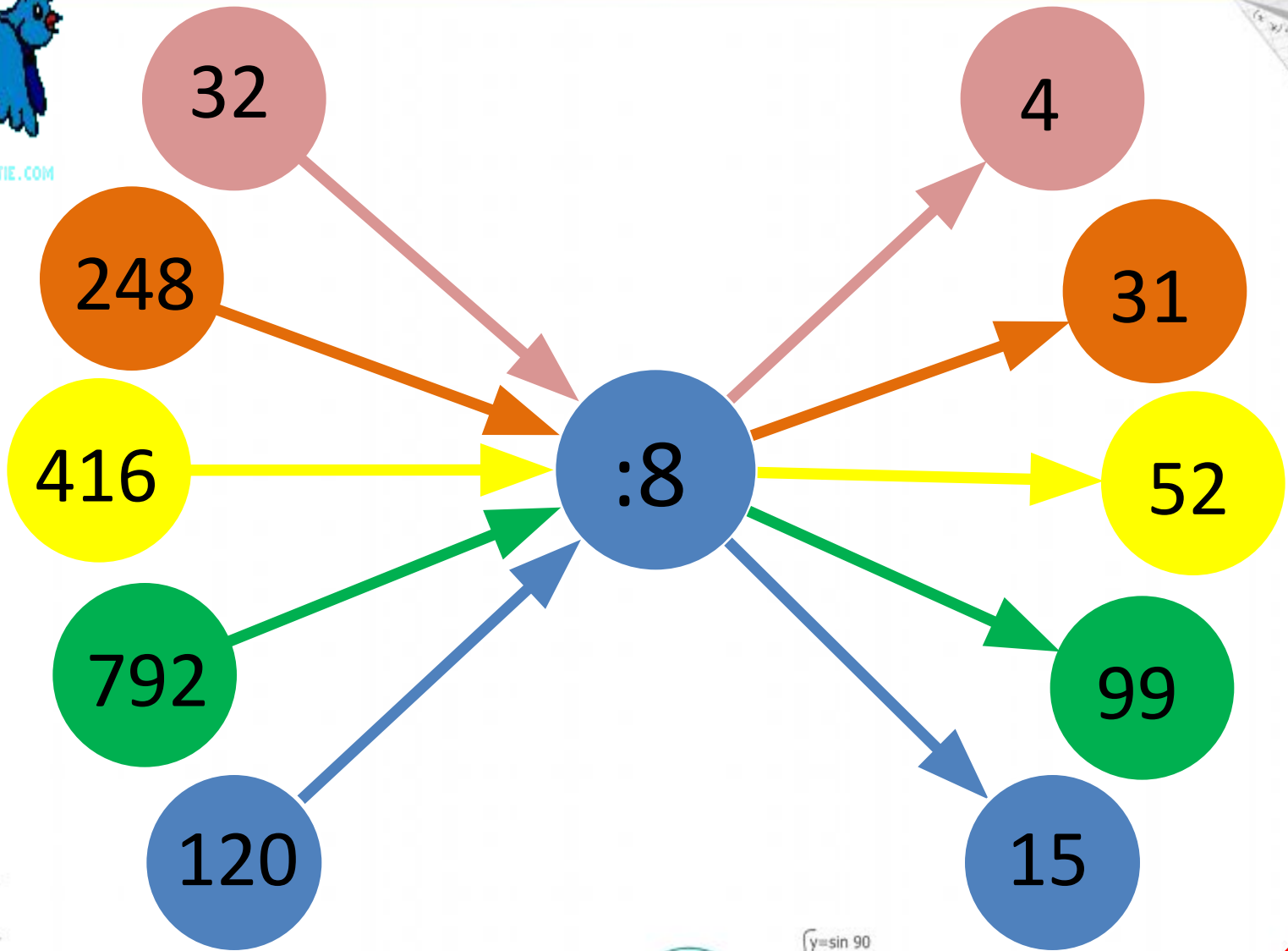


$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$
$$\begin{cases} y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$

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



# Задание №9



$$\begin{array}{r} \frac{1}{2} 500 \\ \times 42 \\ \hline 2100 \\ + 84 \\ \hline 105000 \end{array}$$

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



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

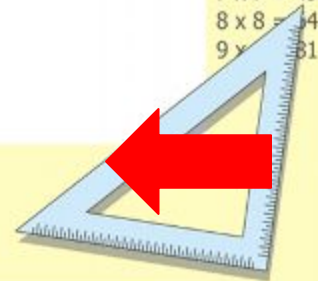
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

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



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

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



# Задание №10



Назовите порядок действий и устно вычислите:

$$5 \cdot 3 + 8 = ?$$

$$12 \cdot 3 - 2 \cdot 9 = ?$$

$$56 - (20 + 19) = ?$$

$$35 \cdot 2 : 7 = ?$$

$$18 - 32 : 2 = ?$$

$$12 : 4 + 23 \cdot 4 = ?$$

$$(64 - 39) + (48 + 13) = ?$$

$$8 \cdot (17 - 15) = ?$$

$$1\ 260 - 120 : 2 = ?$$

$$(5\ 003 - 7) \cdot (300 - 300) = ?$$

$$(500 - 100 + 200) : (301 - 300) = ?$$

$$20 \cdot 10 : 2 = ?$$

$$245 + 35 \cdot 18 = ?$$

$$10\ 260 : 36 + 64 = ?$$

$$(87 + 35) \cdot 25 = ?$$

$$52\ 998 \cdot (37 + 29) = ?$$



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

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

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

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

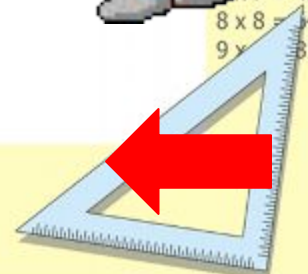


$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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

$$x = 70$$

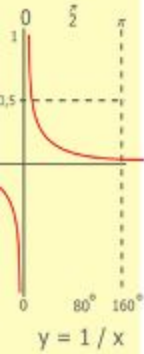
$$(x+y)(x-y) = x^2 - y^2$$



# Задание №11



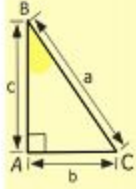
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$$\begin{array}{r} 2500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 105000 \end{array}$$



- 54 < 55
- 86 > 76
- 145 < 195
- 285 < 358
- 999 > 998
- 1002 < 1005
- 12 544 > 12 534
- 20 011 125 < 20 100 052
- 2 374 > 2 365
- 65 934 > 62 156



- 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

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

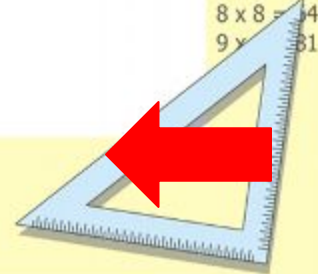
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

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



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

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



# Задание №12

Выразите в сантиметрах:

$$2 \text{ м } 50 \text{ см} = 250 \text{ см};$$

$$2 \text{ м } 5 \text{ см} = 205 \text{ см};$$

$$4 \text{ дм } 8 \text{ см} = 48 \text{ см};$$

$$460 \text{ мм} = 46 \text{ см};$$

Выразите в метрах:

$$1 \text{ км } 600 \text{ м} = 1600 \text{ м};$$

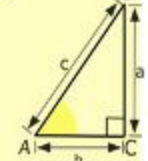
$$4 \text{ км } 30 \text{ м} = 4030 \text{ м};$$

$$7 \text{ км } 5 \text{ м} = 7005 \text{ м};$$

$$3850 \text{ дм} = 385 \text{ м};$$



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$y = 1/x$

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



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

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

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

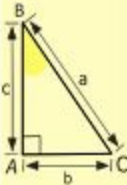
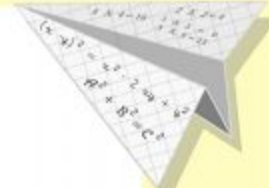


$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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

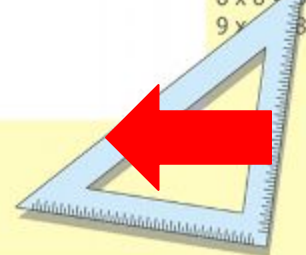
$$x = 70$$

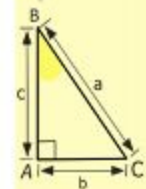
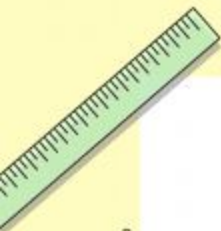
$$(x+y)(x-y) = x^2 - y^2$$



$y = \cos$

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





# Конец!!!



$$\begin{array}{r} \frac{1}{2} 500 \\ \times 42 \\ \hline 2100 \\ + 8400 \\ \hline 105000 \end{array}$$

- 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



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

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



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

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

