

УСТНЫЙ СЧЁТ.

1. Запишите числа:

- Триста пятнадцать миллионов восемь тысяч шестьсот

315 008 600

- Шестсот три миллиона шестьдесят тысяч двадцать

603 060 020

- Два миллиарда семь миллионов сорок пять

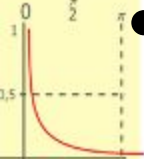
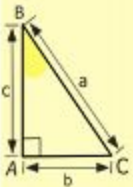
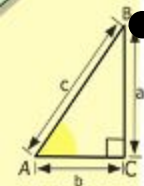
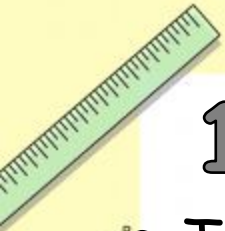
2 007 000 045

- Пятьдесят миллионов сорок восемь тысяч шесть

50 048 006

- Девять миллионов девяносто девять тысяч девять

9 099 009

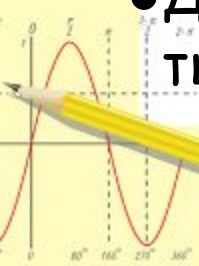


$$y = 1/x$$

$$y = \cos$$

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

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



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

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

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

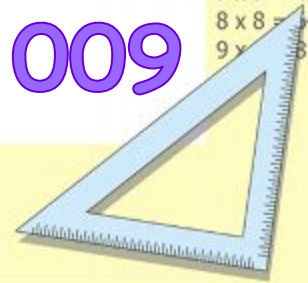


$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

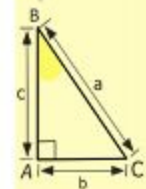
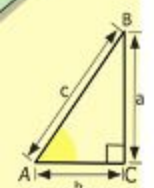
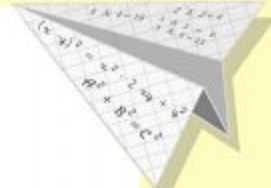
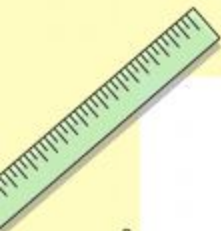
$$\begin{cases} y = 1 \\ x = 25 + 45 \end{cases}$$

$$x = 70$$

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



2. Действия с натуральными числами



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

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



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

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

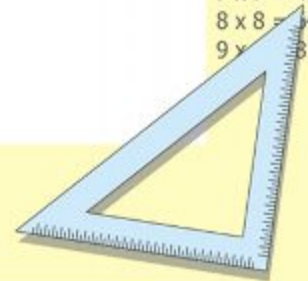
$\sin 90^\circ = 1$



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

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

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



3. Сравнение натуральных чисел

$$54 < 55$$

$$12\ 544 > 12\ 534$$

$$20\ 011\ 125 < 20\ 100\ 052$$

$$2\ 374 > 2\ 365$$

$$65\ 934 > 62\ 156$$

Назовите все числа, которые лежат между данными числами:

102

103

104

105

59958

59959

59960

59961

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

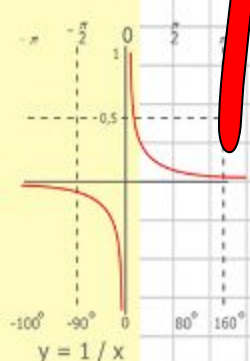
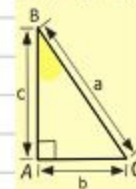
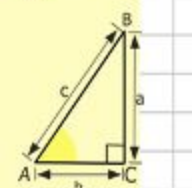
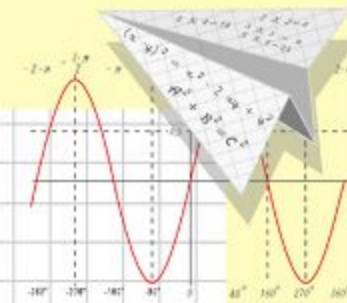
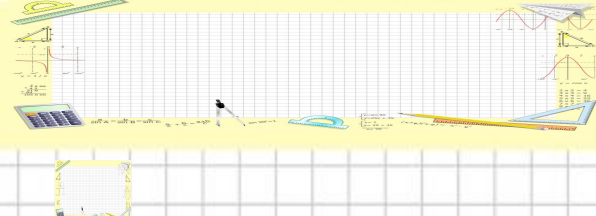
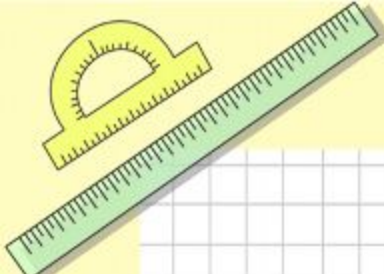
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

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

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

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

Меньше или больше



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



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- $8 \times 8 = 64$

Урок №13



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

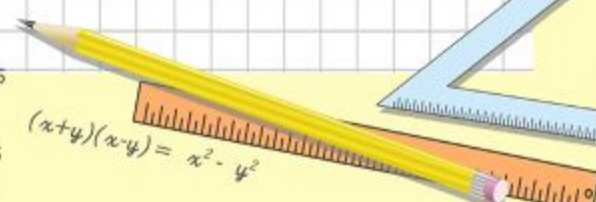
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$



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



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



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

ЗАДАНИЕ 1

Прочитайте двойные неравенства

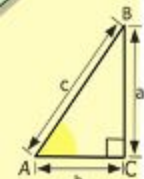
$$13 < 17 < 43$$

$$56 < 57 < 70$$

$$4 < 5 < 6$$

$$100 < 200 < 300$$

$$44 < 45 < 48$$



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



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

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

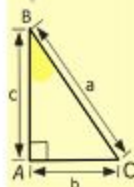
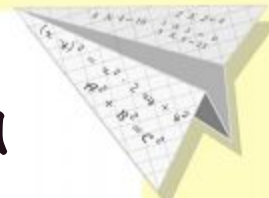
$$\sin 90^\circ = 1$$



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

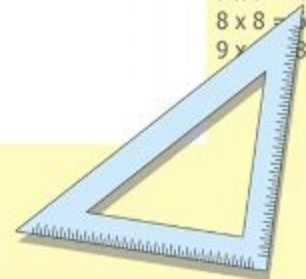
$$\begin{cases} y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$

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



$$y = \cos$$

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



ЗАДАНИЕ 2

Напишите вместо * знак $<$ или $>$ так, чтобы было верное неравенство

$$204 \quad < \quad 2004$$

$$554 \quad > \quad 1$$

$$0 \quad < \quad 412$$

$$8269 \quad < \quad 8271$$

$$18324921 \quad > \quad 18324847$$

$$69398801 \quad < \quad 69398810$$

$$6756540623 \quad < \quad 6756540633$$



Молодцы!

ЗАДАНИЕ 3

Вместо * поставьте цифру так, чтобы неравенство было верным

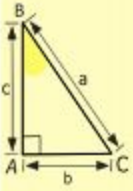
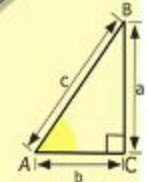
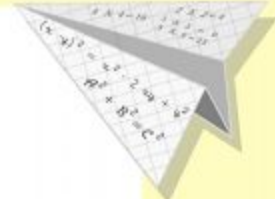


$$617^* < 6171$$

$$3454 > 34^*9$$

$$3128 < 312^*$$

$$2785 < 27^*0$$



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

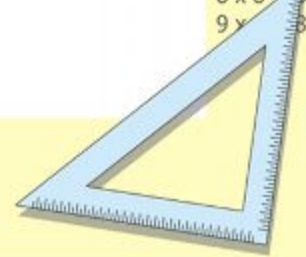
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

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



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

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



ЗАДАНИЕ 4

Запишите в тетрадь все натуральные числа, которые на координатном луче находятся между числами 894 и 901.

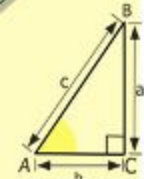
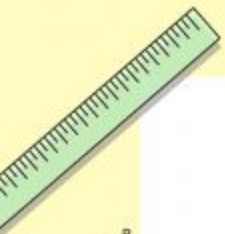
$$894 < x < 901$$

где $x = 895; 896; 897; 898; 899; 900$

ЗАДАНИЕ 5

Запишите пятизначное число, которое больше 99988 и оканчивается цифрой 6.

99996



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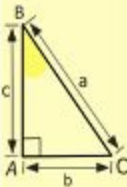
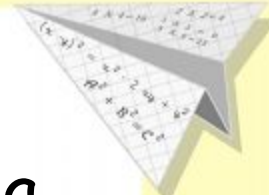
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

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



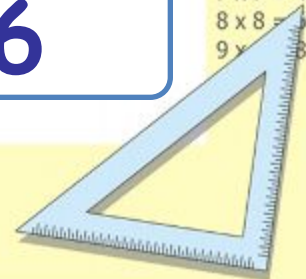
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$$y = \cos$$

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

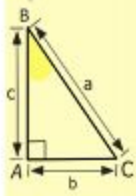
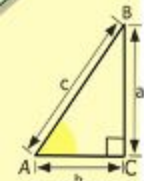
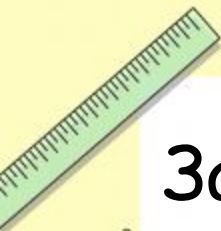
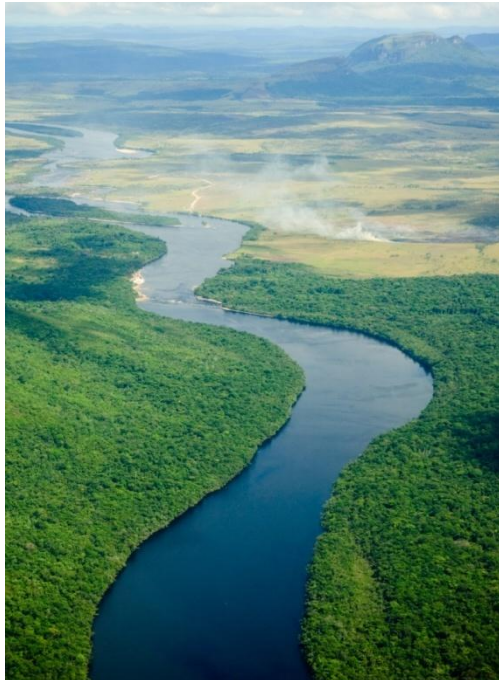


ЗАДАНИЕ 6

Запиши числа в виде двойного неравенства

Длина реки **Волга** - **3520** км.;
Дона - **1870** км.;
Дуная - **2850** км.

$$1870 < 2850 < 3520$$



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

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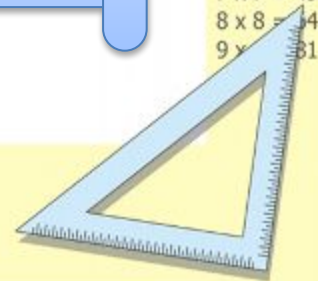
$$\frac{a}{A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

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



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

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



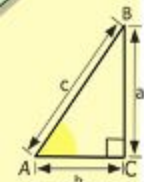
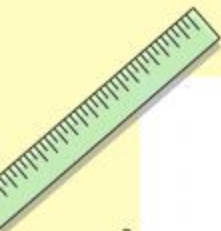
ЗАДАНИЕ 7

В числах стерли несколько цифр, а вместо них поставили звездочки.

Сравните эти числа:

$$\begin{array}{ccc} 63*** & > & 61*** \\ 28* & > & 1*** \\ ***1 & < & 99* \end{array}$$

Объясните свое решение.



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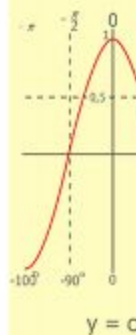
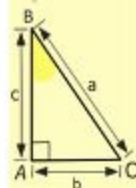
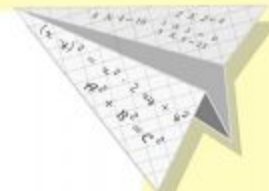


$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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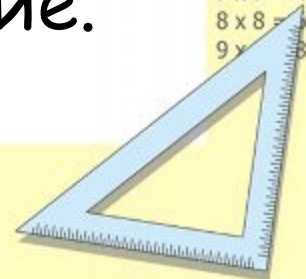
$$x = 70$$

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



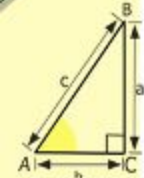
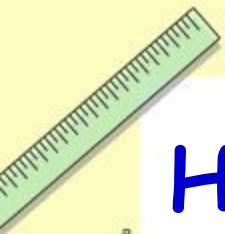
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Физкультминутка

Ну-ка, встали, улыбнулись!
Руки вверх и ... потянулись.
Потянулись, потянулись.
Друг на друга оглянулись!
Мы, конечно, лучше всех!
Нам сопутствует успех!



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



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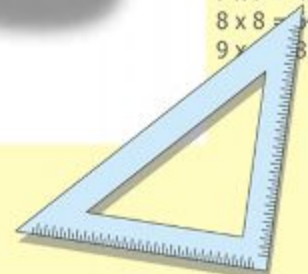
$$\sin 90^\circ = 1$$



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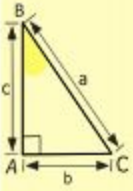
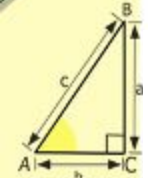
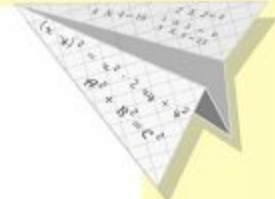
$$(x+y)(x-y) = x^2 - y^2$$



ЗАДАНИЯ:



№150 (устно);
№149, №152, №153,
№158 (письменно)



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

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



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

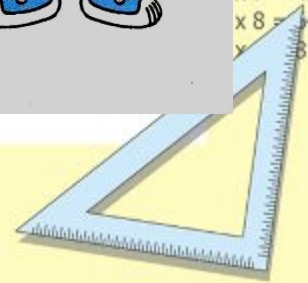
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$$(x+y)(x-y) = x^2 - y^2$$



Самостоятельная работа

I вариант

Сравните числа:

329 и 291

878 и 887

60 203 и 60 023

53 455 и 54 355

II вариант

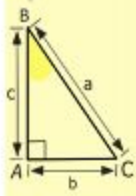
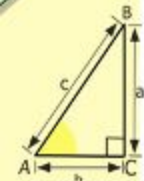
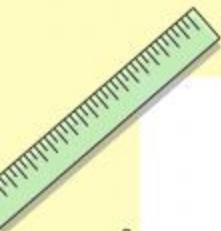
Сравните числа:

989 и 998

5028 и 5027

474 747 и 477 477

581 581 и 585 118



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

- 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



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

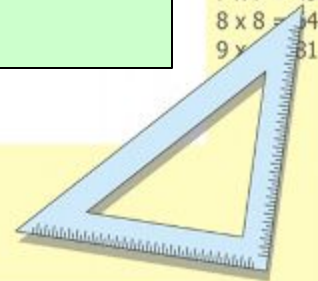
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

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



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

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

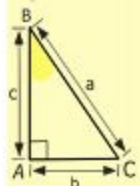
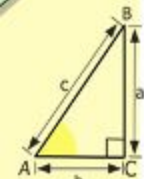
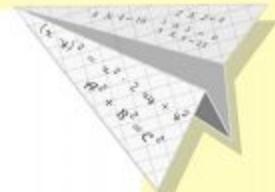
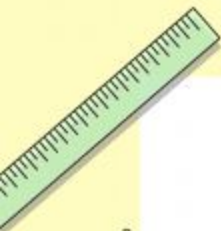


Домашнее задание

№173,
№174,
№179
(письменно)



Желаю
удачи!



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

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

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

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

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



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

$$y = 1$$

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

