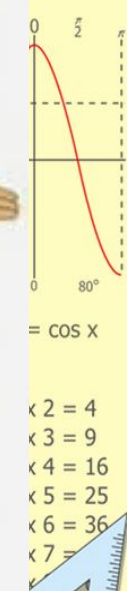
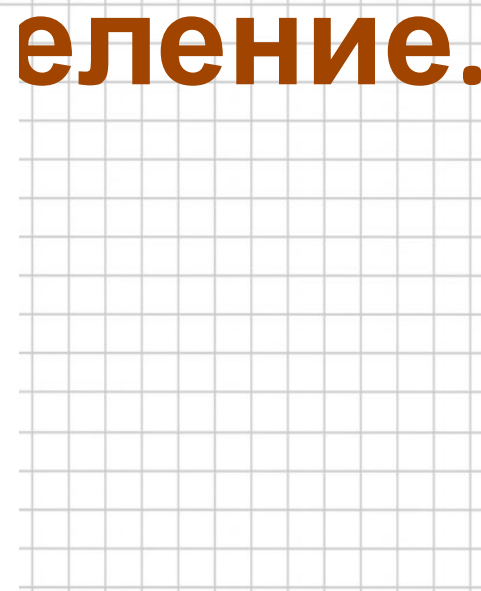
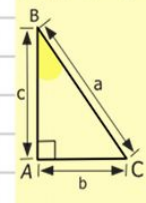
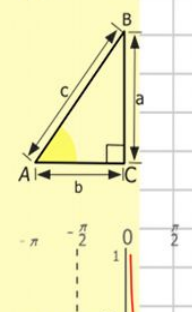
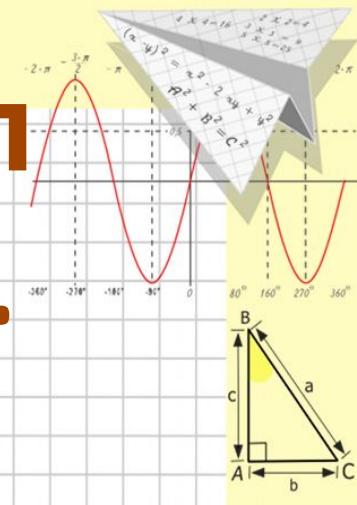
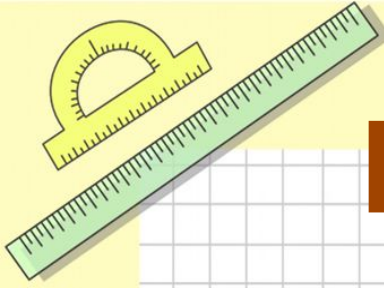


# Математик Конкретный смысл действия деления. Решение задач на деление.



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

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

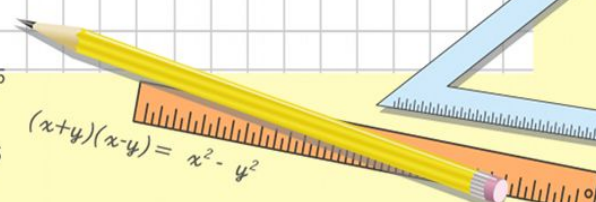


$$\sin 90^\circ = 1$$



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

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



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

- × 2 = 4
- × 3 = 9
- × 4 = 16
- × 5 = 25
- × 6 = 36
- × 7 =

# Устный счёт.

Вставьте пропущенные числа,

чтобы равенства были верными.

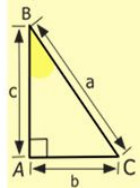
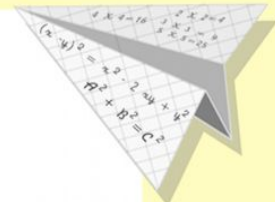
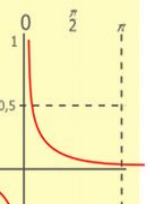
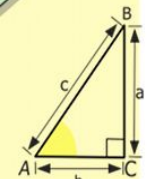
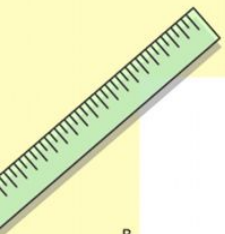
$$83 - 70 = 6 +$$

$$3 - 37 = 9 + 6$$

...

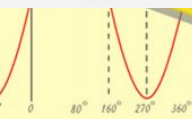
$$42 + 8 = 80 30$$

$$79 - 60 = 9 10$$



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



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

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

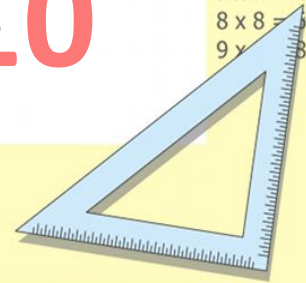
$$\sin 90^\circ = 1$$



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

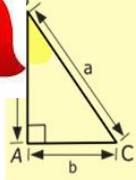
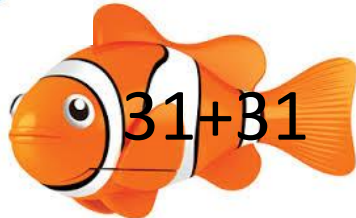
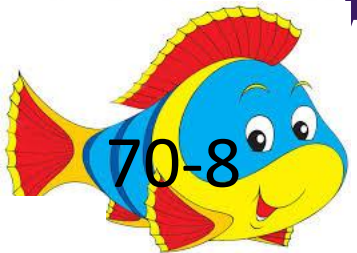
$$\begin{cases} y = 1 \\ x = 25 + 45 \end{cases}$$

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

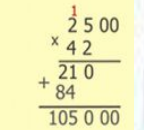


# ПОМЕСТИТЕ КАЖДУЮ РЫБКУ В

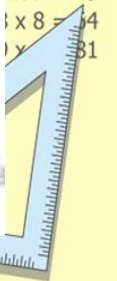
## АКВАРИИ



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



$x = 70$



# РАСПОЛОЖИ ЧИСЛА В ПОРЯДКЕ ВОЗРАСТАНИЯ



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

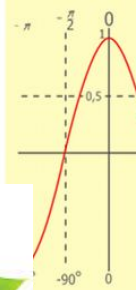
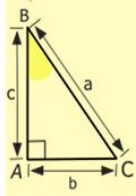
$$\begin{cases} y = \sin 9 \\ x = 25y \\ y = 1 \\ x = 25 + 45 \\ x = 70 \end{cases}$$

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

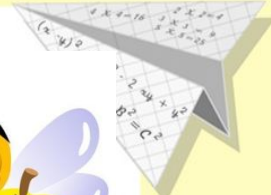
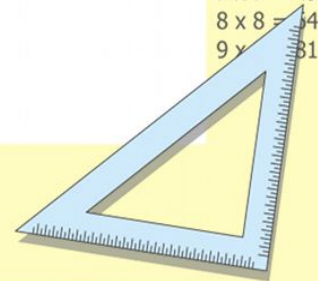
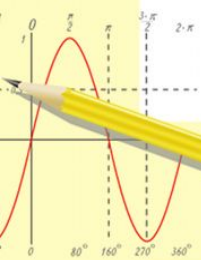
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

$\sin 90^\circ$

$\sin A \sin B \sin C$



$y = \cos$



# ПОМОГИТЕ НЕЗНАЙКЕ СРАВНИТЬ

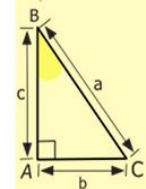
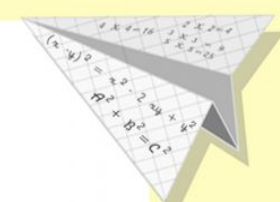
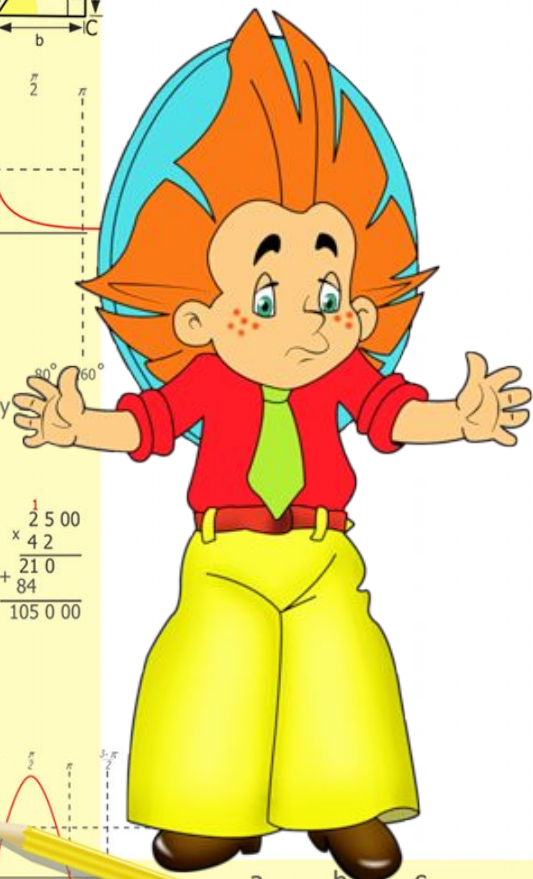
(устно с доказательствами)

50 см ? 5 дм 7 см

29 см ? 4 дм 9 см

13 дм ? 31 см

4 дм ? 14 см



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

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

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

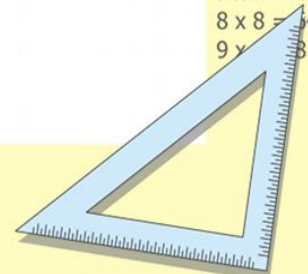
$$\sin 90^\circ = 1$$



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

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

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

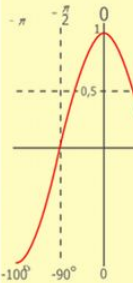
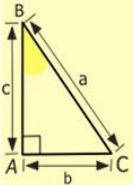
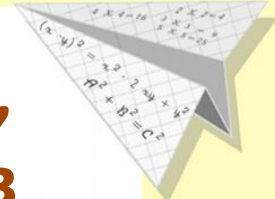
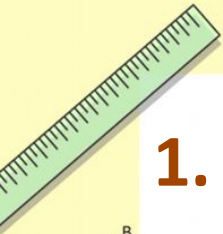


# Решите задачи:

(запиши решение и ответ)

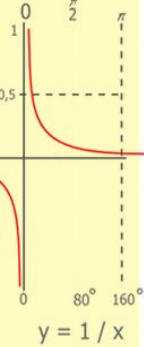
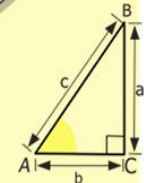
1. Мальчик решил 18 примеров, осталось решить на 8 примеров меньше. Сколько всего примеров должен решить мальчик?

28  
ПРИМЕРОВ



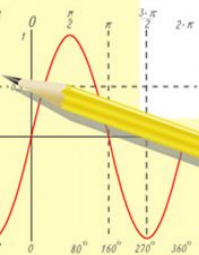
$y = \cos$

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



$y = 1/x$

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



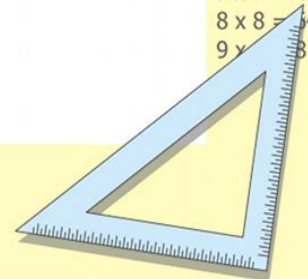
$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

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

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

$$x = 70$$

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

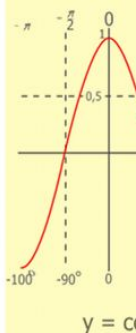
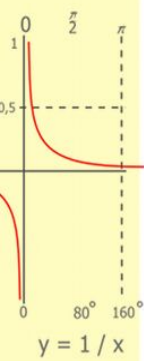
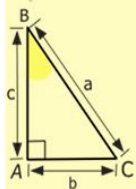
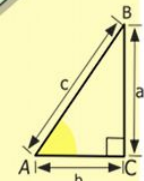
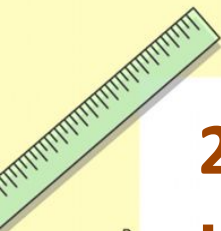


(запиши решение и

ответ)

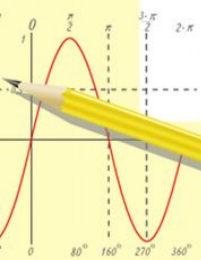
2. В одной книге 35 страниц, во второй – на 15 страниц больше. А в третьей – на 10 страниц меньше, чем во второй. Сколько страниц в третьей книге?

40 страниц



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

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



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

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

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

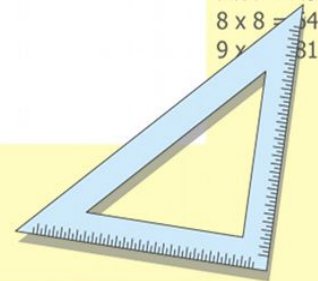


$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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

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

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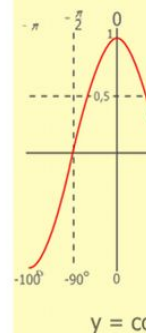
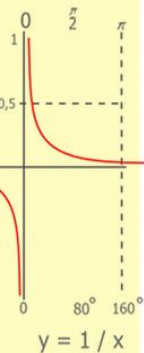
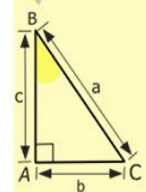
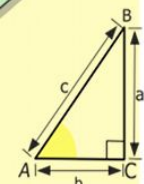
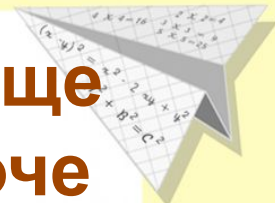


(запиши решение и  
ответ)

2. От веревки отрезали 22 см, а потом еще  
28 см. На сколько сантиметров короче  
стала веревка?

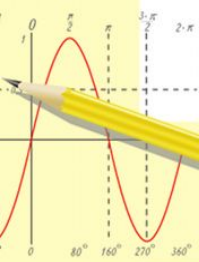


на 50 см  
короче



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

- 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



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

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

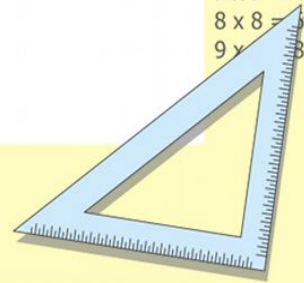
$$\sin 90^\circ = 1$$



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

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

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

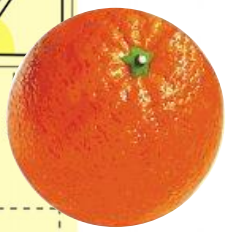




# Конкретный смысл действия деления.

## Задачи на деление по содержанию

уст



**6 разделить по 2 получится 3**

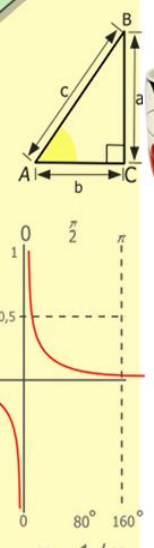
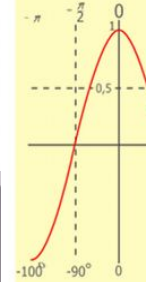
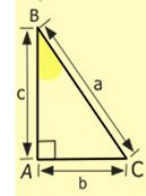
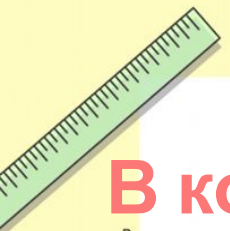
The background features a collage of mathematical elements: a green ruler at the top left; a right-angled triangle with sides  $a$ ,  $b$ ,  $c$  and angles  $A$ ,  $B$ ; a graph of the function  $y = 1/x$  with points at  $80^\circ$  and  $160^\circ$ ; a vertical stack of multiplication problems:  $\begin{matrix} 2500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 10500 \end{matrix}$ ; a sine wave graph with labels  $0$ ,  $5^\circ$ ,  $\pi$ ,  $3\pi/2$ ,  $2\pi$ ; a blue protractor; a blue set square; a yellow pencil; and various mathematical formulas including  $\sin 90^\circ = 1$ ,  $\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$ ,  $\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$ ,  $\begin{cases} x = 25y + 45 \\ y = 1 \end{cases}$ ,  $x = 25 + 45$ ,  $x = 70$ ,  $(x+y)(x-y) = x^2 - y^2$ ,  $2 \times 2 = 4$ ,  $3 \times 3 = 9$ ,  $4 \times 4 = 16$ ,  $5 \times 5 = 25$ ,  $6 \times 6 = 36$ ,  $7 \times 7 = 49$ ,  $8 \times 8 = 64$ ,  $9 \times 9 = 81$ , and  $y = \cos$ .

# Решите задачу.

(запиши решение и ответ)

В коробки разложили 12 чашек, по 6 чашек в каждую. Сколько коробок понадобилось?

Сколько коробок понадобилось?



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

- 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

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

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

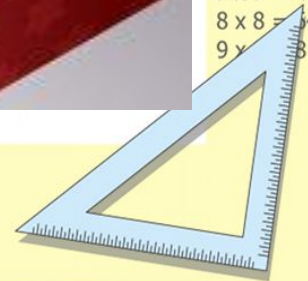
$$\sin 90^\circ = 1$$

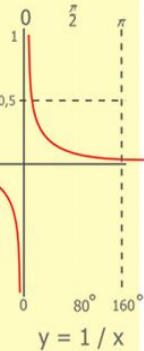
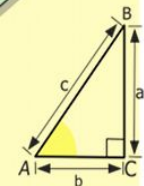
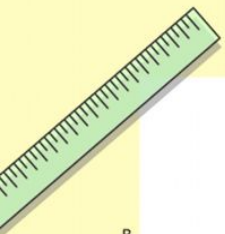


$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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

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





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



**Скворец** - голова, шея, крылья, хвост черные с фиолетовым отливом

На голове черный хохолок. Питается жуками, гусеницами, бабочками.

(Придумайте устно про скворца задачу на деление)

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

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

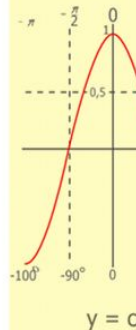
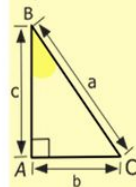
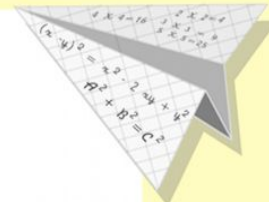
$$\sin 90^\circ = 1$$



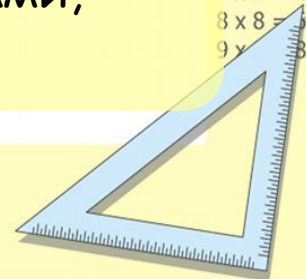
$$\begin{cases} x = 25y + 45 \\ y = 1 \end{cases}$$

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

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

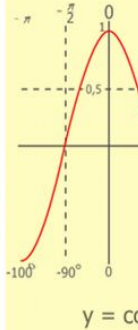
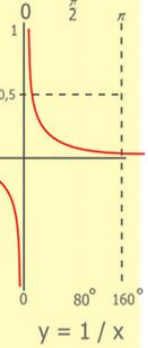
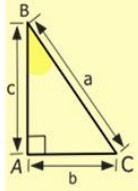
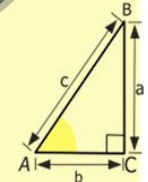
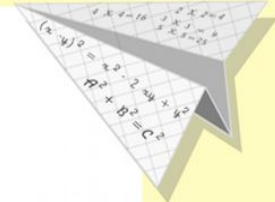
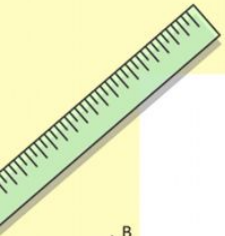


- 2 x 2 = 4
- 3 x 3 = 9
- 4 x 4 = 16
- 5 x 5 = 25
- 6 x 6 = 36
- 7 x 7 = 49
- 8 x 8 = 64
- 9 x 9 = 81



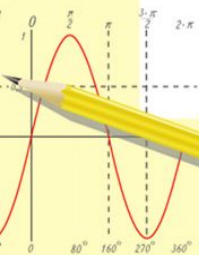
# Домашнее задание

## Тетрадь к учебнику с. 57 №44, 45



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

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



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

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

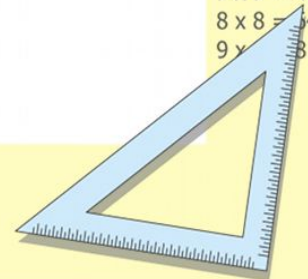
$$\sin 90^\circ = 1$$

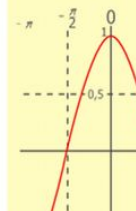
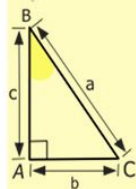
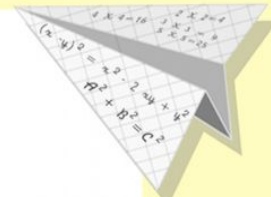


$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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

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

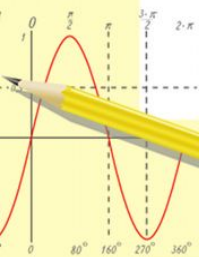




# МОЛОДЦЫ!



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



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

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

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



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

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

$(x+y)(\dots)$

