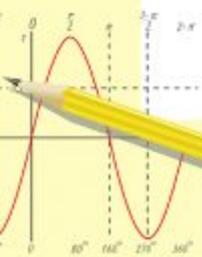


$$\begin{array}{r} 2500 \\ \times 42 \\ \hline 2100 \\ + 8400 \\ \hline 105000 \end{array}$$

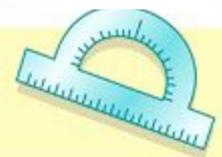
- 2 x 2 = 4
- 3 x 3 = 9
- 4 x 4 = 16
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- 6 x 6 = 36
- 7 x 7 = 49
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- 9 x 9 = 81



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

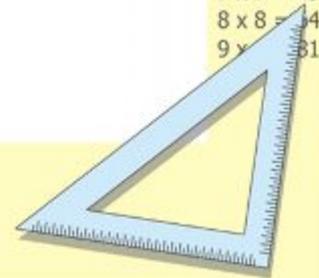
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

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



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

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

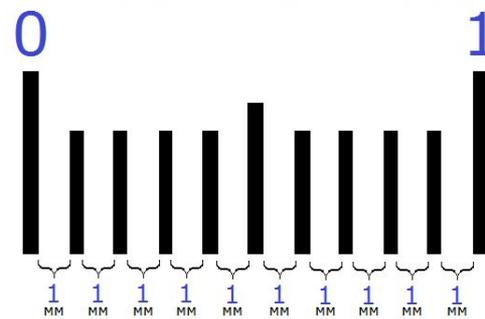




Сотая часть

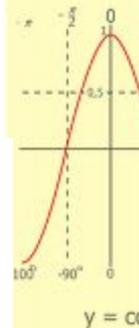
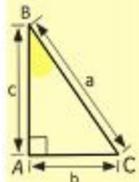
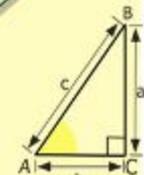
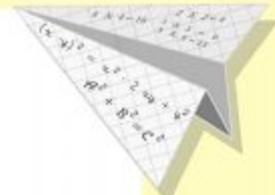
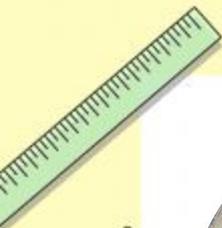


Сотая часть



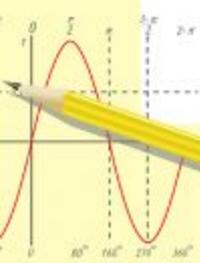
1 метр

1 см.



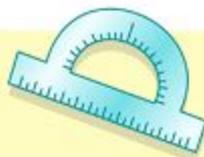
$$\begin{array}{r} 2500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 105000 \end{array}$$

- 2 x 2 = 4
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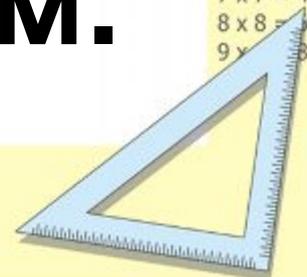
$$\frac{a}{A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

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



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

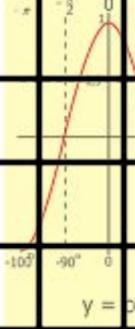
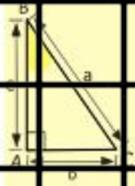
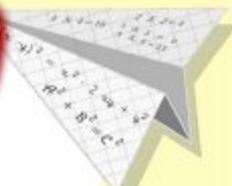
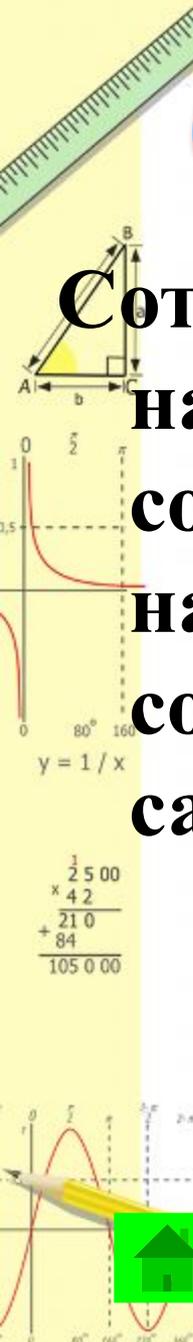
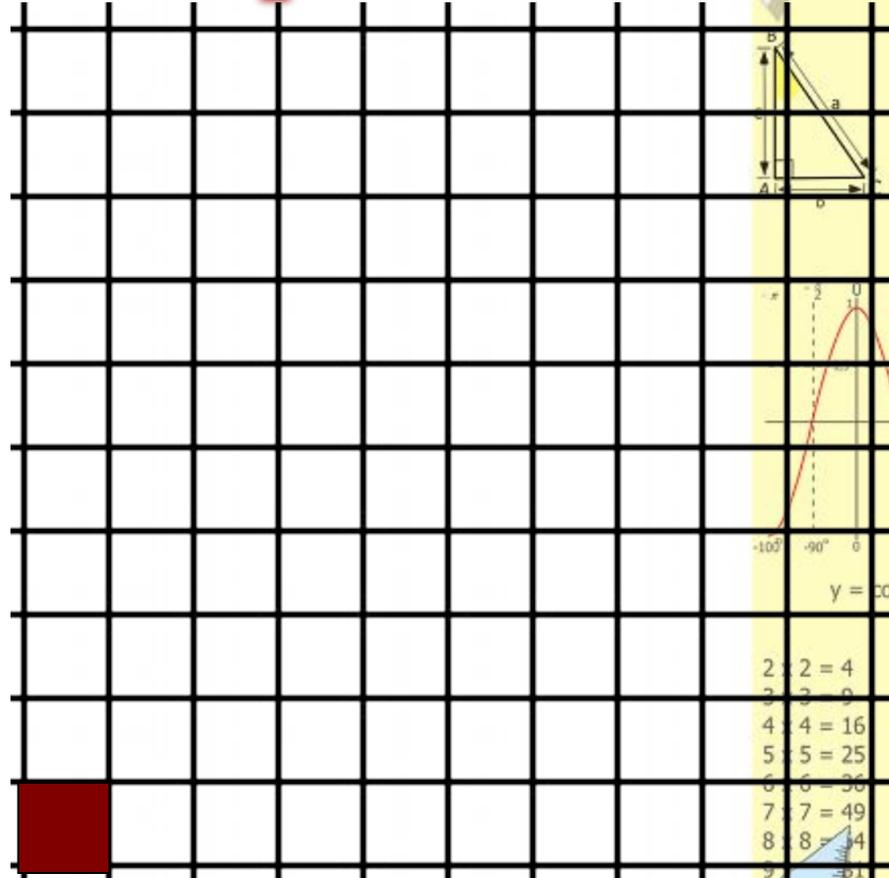
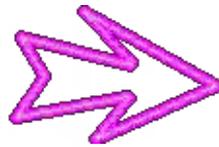
$$(x+y)(x-y) = x^2 - y^2$$



Что такое ПРОЦЕНТ?

Сотую часть рубля
называют копейкой,
сотую часть доллара
называют центом,
сотую часть метра –
сантиметром и т.д.

Сотая часть
квадрата

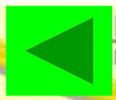
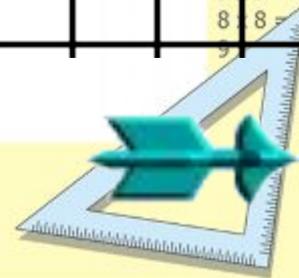
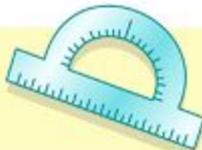


2	2	=	4
3	3	=	9
4	4	=	16
5	5	=	25
6	6	=	36
7	7	=	49
8	8	=	64
9	9	=	81

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

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

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



Определение: сотая часть любой величины или числа называется ПРОЦЕНТОМ.

1 копейка – один процент рубля,

1 см – 1 процент метра,

1 цент – 1 процент доллара,

Для краткости слово «процент» после числа заменяют знаком %, то есть

$$1\% = 1:100 = \frac{1}{100}$$

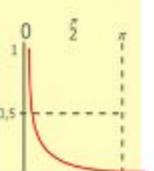
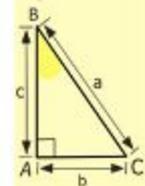
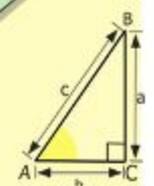
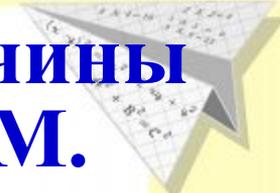


$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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

$$x = 70$$

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

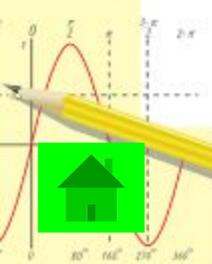


$$y = 1/x$$

$$y = \cos$$

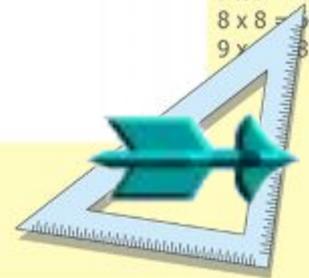
$$\begin{array}{r} \frac{1}{2} 500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 105000 \end{array}$$

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

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



Правило: чтобы перевести проценты в десятичную дробь, надо число процентов разделить на 100.

я краткости слово «процент» после числа заменяют знаком %, то есть

$$1\% = 1:100 = \frac{1}{100}$$

я краткости слово «процент» после числа заменяют знаком %, то есть

$$1\% = 1:100 = \frac{1}{100}$$

Для краткости слово «процент» после числа заменяют знаком %, то есть

$$59\% =$$

$$1\% = 1:100 = \frac{1}{100}$$

Для краткости слово «процент» после числа заменяют знаком %, то есть

$$116\% =$$

$$1\% = 1:100 = \frac{1}{100}$$

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

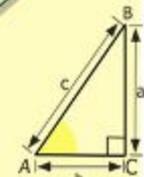
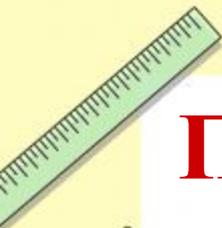
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

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

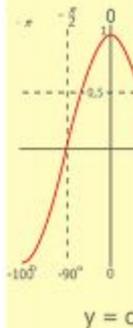
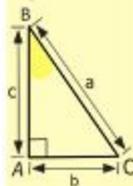
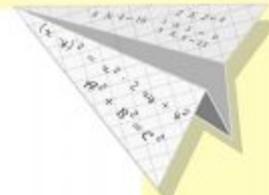
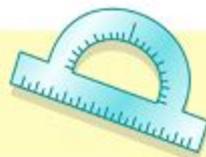
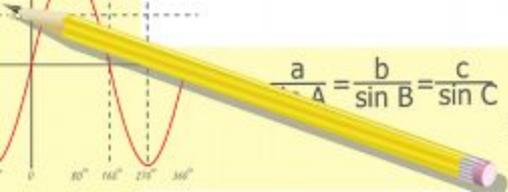
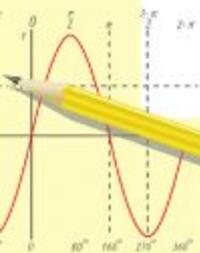
$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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

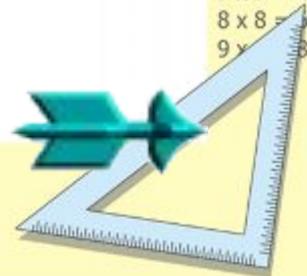
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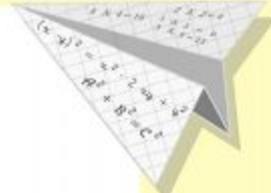
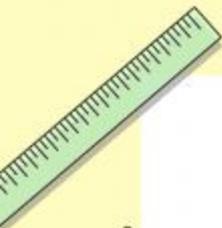


$$\begin{array}{r} 2500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 105000 \end{array}$$



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





Для краткости слово «процент»
числа заменяют знаком %, то есть

47%

$$1\% = 1:100 = \frac{1}{100}$$

Для краткости слово «процент»
числа заменяют знаком %, то есть

93%

$$1\% = 1:100 = \frac{1}{100}$$

Для краткости слово «процент»
числа заменяют знаком %, то есть

3 =

300%

$$1\% = 1:100 = \frac{1}{100}$$

краткости слово «процент» по
сла заменяют знаком %, то есть

115%

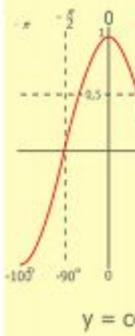
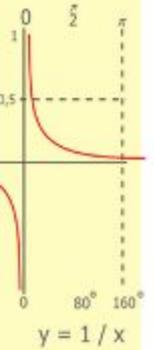
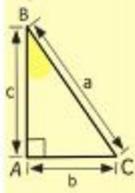
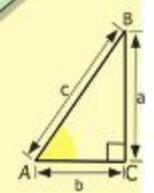
$$1\% = 1:100 = \frac{1}{100}$$

Для краткости слово «процент»
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50%

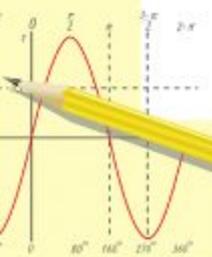
$$1\% = 1:100 = \frac{1}{100}$$

$$1\% = 1:100 = \frac{1}{100}$$



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

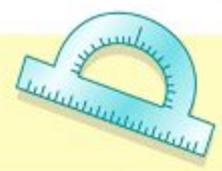
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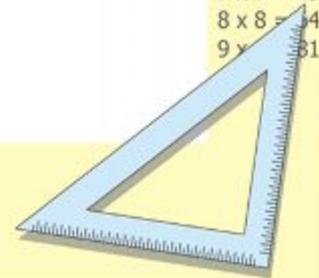
$$\sin 90^\circ = 1$$



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

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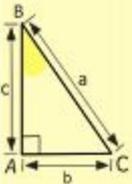
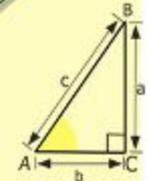
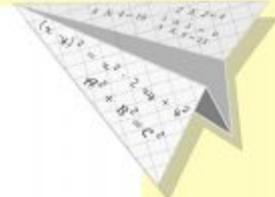
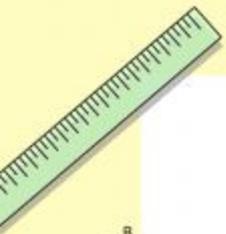


Виды задач на проценты

Нахождение % от числа

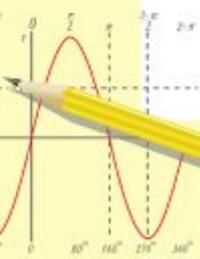
Нахождение числа по его %

Нахождение процентного отношения



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

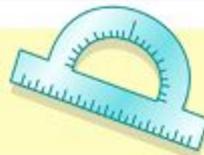
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$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

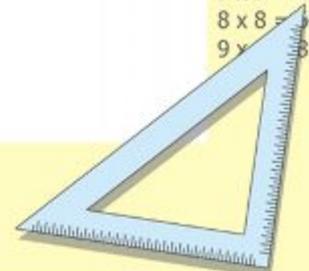
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

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



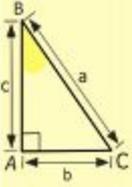
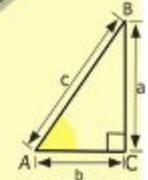
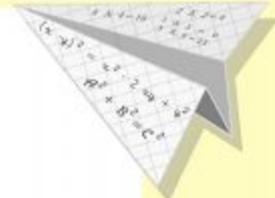
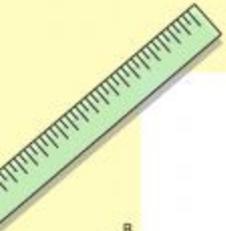
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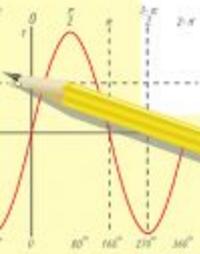
Нахождение % от числа

Фабрика изготовила **860** пар обуви. Из них **45%** составила мужская обувь, остальная женская. Сколько пар женской обуви изготовила фабрика за год?



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

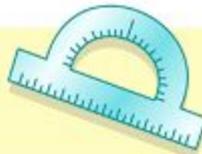
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