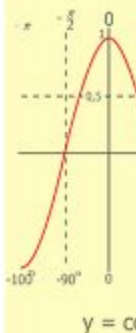
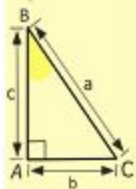
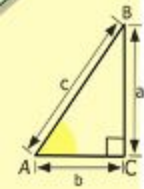
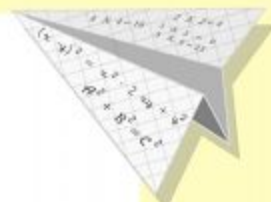
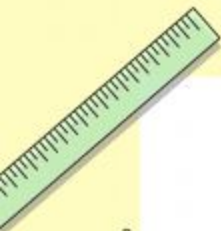


5см, 8дм<sup>3</sup>, 10м,

7л, 9м<sup>2</sup>, 25км,

63дм<sup>2</sup>, 15мм, 48м<sup>3</sup>



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

- 2 x 2 = 4
- 3 x 3 = 9
- 4 x 4 = 16
- 5 x 5 = 25
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- 8 x 8 = 64
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$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

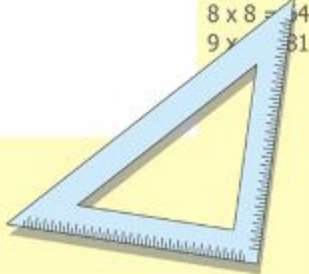
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

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



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

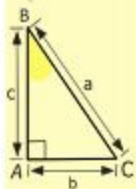
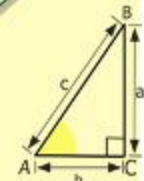
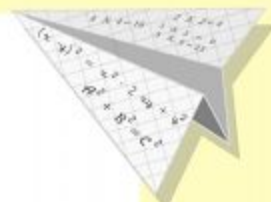
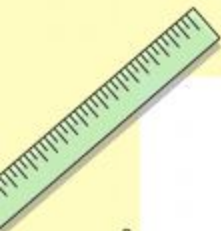
$$(x+y)(x-y) = x^2 - y^2$$



**ТЕМА УРОКА:**  
**Кубические**  
**единицы:**

**мм<sup>3</sup>, см<sup>3</sup>, дм<sup>3</sup>, м<sup>3</sup>;**

**соотношения между**  
**ними.**



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

- 2 x 2 = 4
- 3 x 3 = 9
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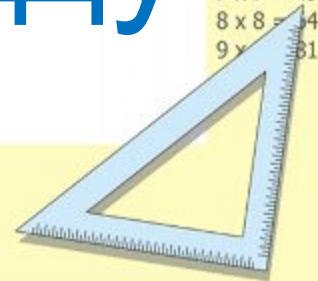
$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

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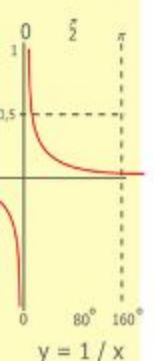
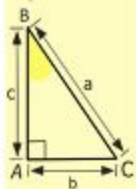
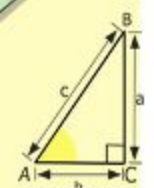
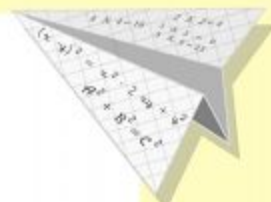
$\sin 90^\circ = 1$

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

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



# Что узнать? Чему научиться?



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

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- $4 \times 4 = 16$
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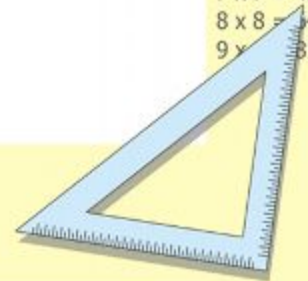
$$\frac{a}{A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

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



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

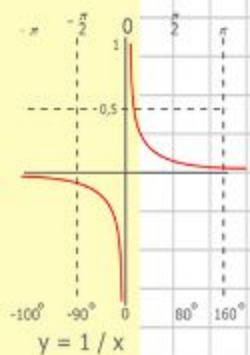
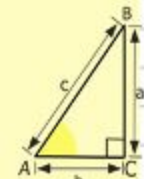
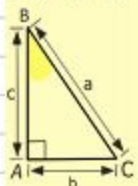
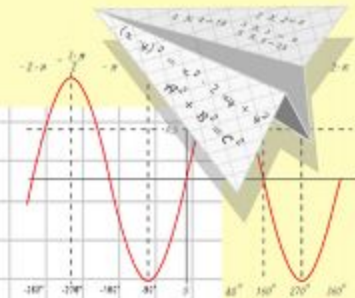
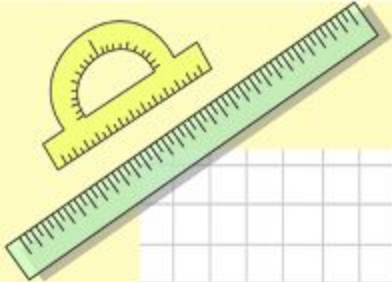
$$(x+y)(x-y) = x^2 - y^2$$



# Математик

а

# УСТНЫЙ СЧЕТ



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

$y = \cos x$

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



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

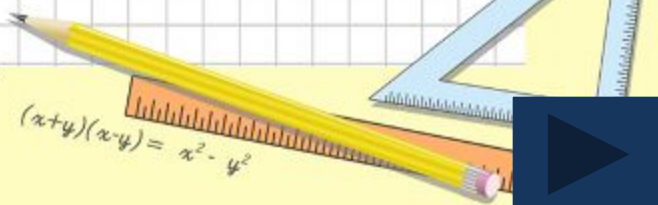
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$



$\sin 90^\circ = 1$



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



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



# Прочитайте числа:

• 123 12

• 43 211

• 334 563 456

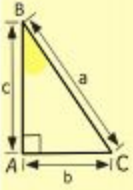
• 75 342 345

• 10 012

• 10 101 010

• 225 500 002

• 10 000 001



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

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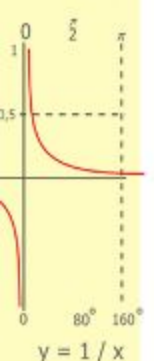
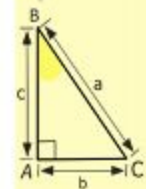
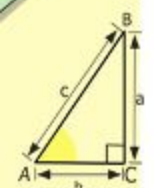
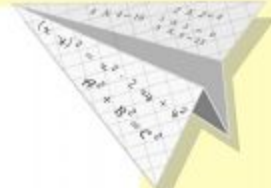
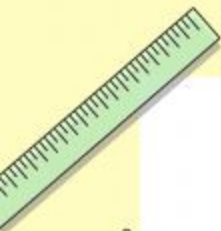
$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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

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



# Решите круговые примеры



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

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

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$\sin 90^\circ = 1$



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

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

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



# Выразите в сантиметрах:

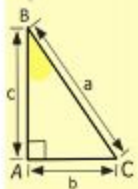
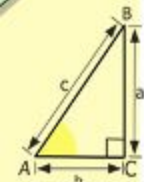
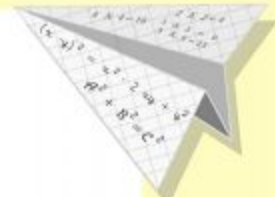
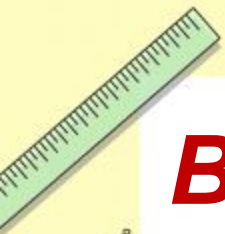
2 м 50 см = 250 см;      2 м 5 см = 205 см;

4 дм 8 см = 48 см;      460 мм = 46 см;

# Выразите в метрах:

1 км 600 м = 1600 м;      4 км 30 м = 4030 м;

7 км 5 м = 7005 м;      3850 дм = 385 м;



$$\begin{array}{r} 2500 \\ \times 42 \\ \hline 2100 \\ + 840 \\ \hline 10500 \end{array}$$

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

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



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

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

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



# Заполните

# таблицу:

Множитель	11	23		33	6
Множитель	8		4	2	3
Произведение	96	54	55	18	138



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

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

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



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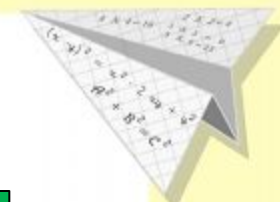
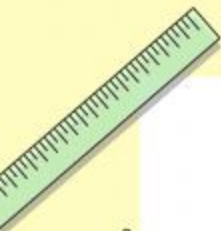
$$(x+y)(x-y) = x^2 - y^2$$

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# ВЫЧИСЛИТЬ ПЛОЩАДЬ прямоугольника



4 CM

$S = 60 \text{ cm}^2$

15 CM

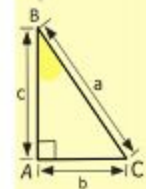
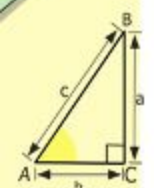
11 CM

$S = 22 \text{ cm}^2$

2 ДМ

$S = 180 \text{ cm}^2$

9 CM



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

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

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



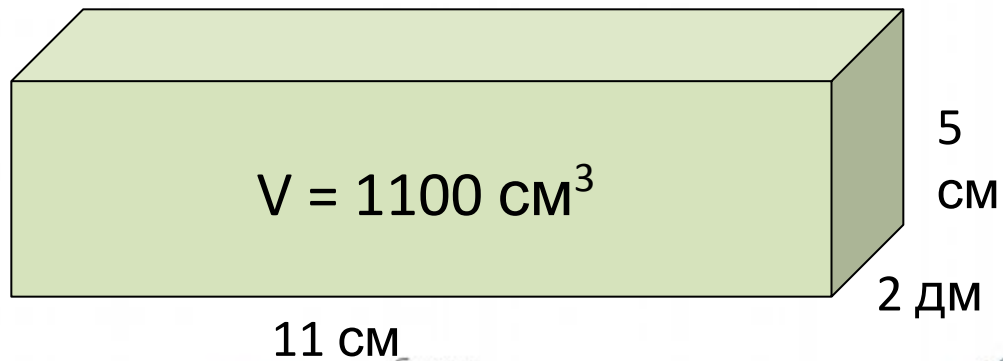
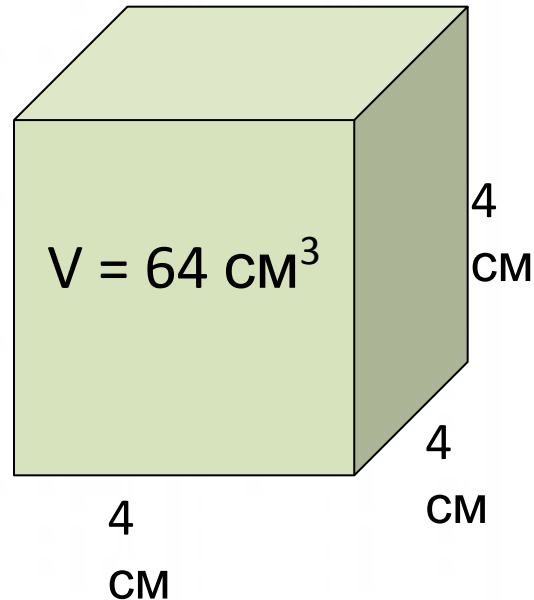
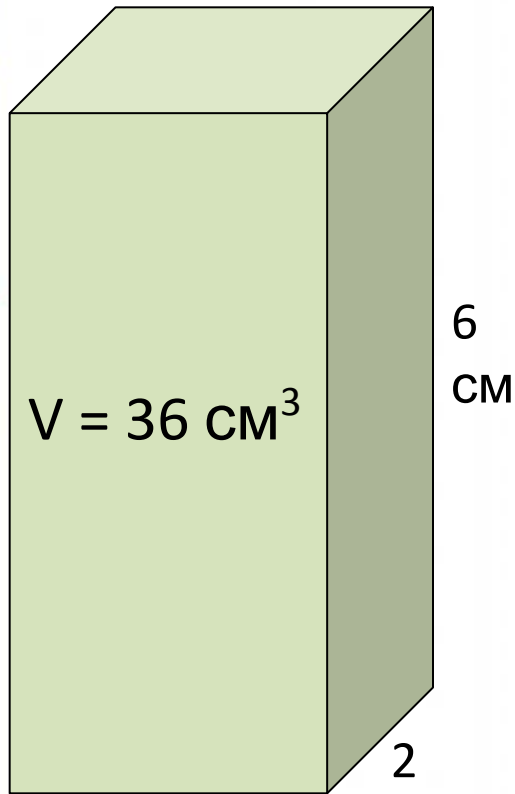
$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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

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



# Найдите объем фигур:



$y = 1/x$   
 $\frac{1}{2} \times 42 = 210$   
 $+ 84 = 105000$   
 $\sin 90^\circ = 1$   
 $\frac{a}{c} = \frac{b}{\sin B} = \frac{c}{\sin C}$   
 $\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$



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

$\sin 90^\circ = 1$   
 $\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$   
 $\begin{cases} y = 1 \\ x = 25 + 45 \\ x = 70 \end{cases}$   
 $(x+y)(x-y) = x^2 - y^2$

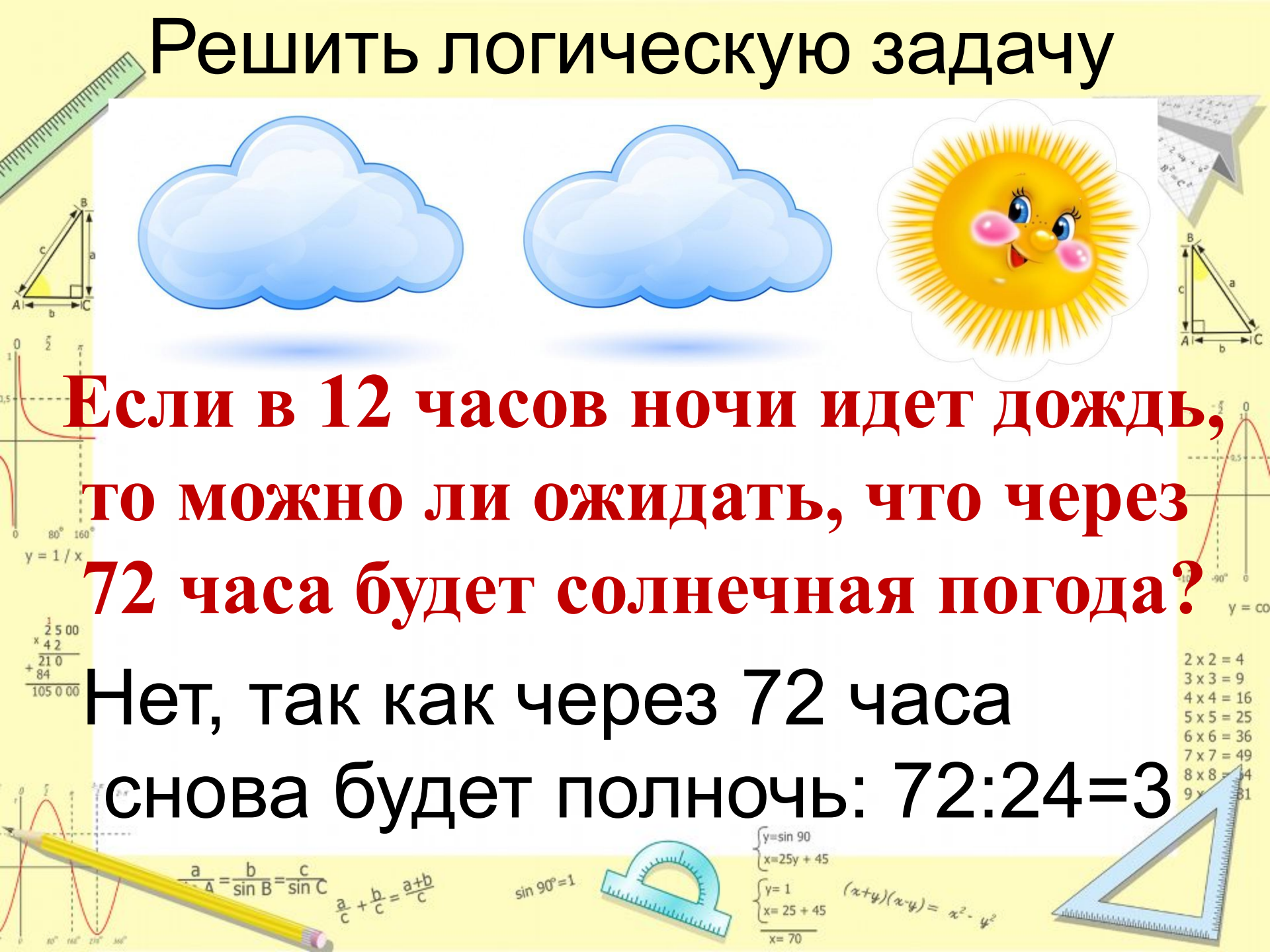


# Решить логическую задачу

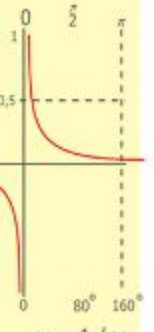
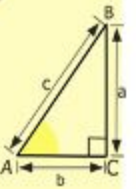


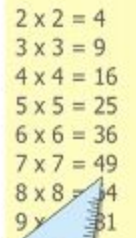

**Если в 12 часов ночи идет дождь, то можно ли ожидать, что через 72 часа будет солнечная погода?**

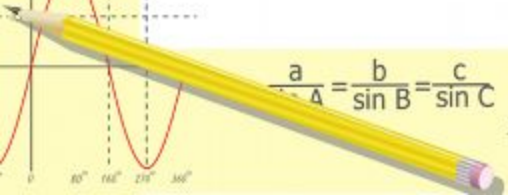
**Нет, так как через 72 часа снова будет полночь:  $72:24=3$**




$$1 \text{ CM}^3 = \dots \text{ MM}^3$$


$$1 \text{ ДМ}^3 = \dots \text{ CM}^3$$


$$1 \text{ M}^3 = \dots \text{ ДМ}^3$$


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

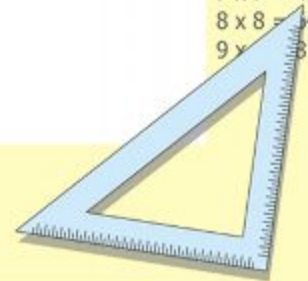


$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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

$$x = 70$$

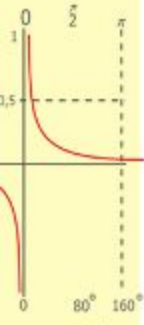
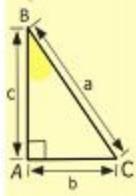
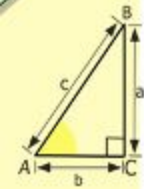
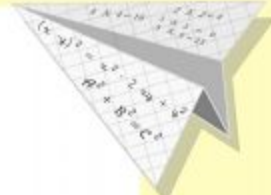
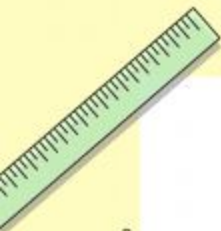
$$(x+y)(x-y) = x^2 - y^2$$



# МОЛОДЦЫ!!!



**Спасибо!**



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

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

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