

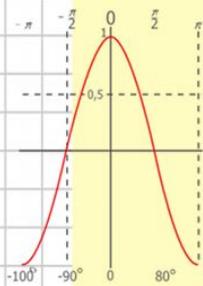
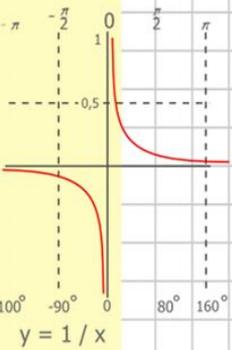
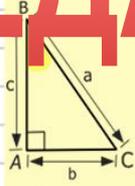
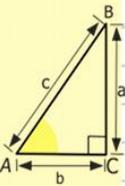
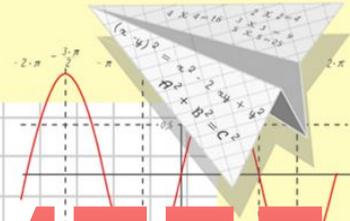
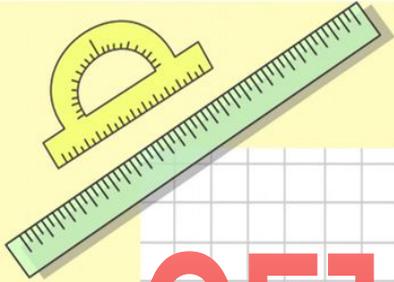
Математик

а

ОБЪЁМ ПАРАЛЛЕЛЕПИПЕДА

5 класс

22.12.20



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

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

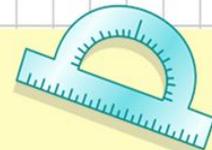


$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

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

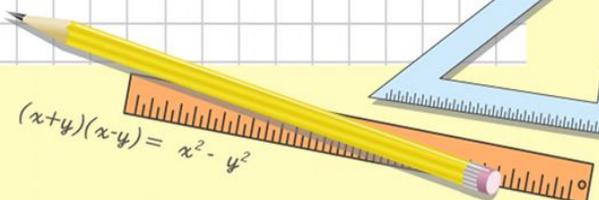


$$\sin 90^\circ = 1$$



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

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



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

тест

1) Любой прямоугольный параллелепипед состоит из граней. Их у него:

а)12

б)8

в)6

г)10

2) У каждого параллелепипеда есть рёбра. Это:

а)Прямоугольники

б)Прямые

в)Треугольник

г)Отрезки

3) У куба все рёбра:

а)Попарно равны

б)Разные

в)Равны

г)Другой ответ

4) У параллелепипеда противоположные грани:

а)Равны

б)Квадраты

в)Разные

г)Другой ответ

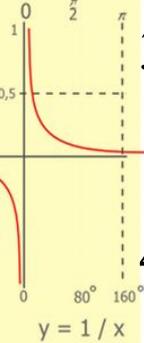
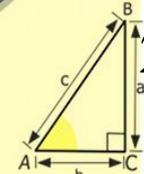
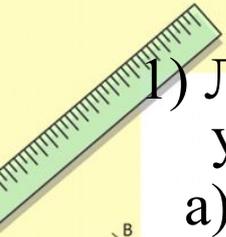
5) Площадь поверхности параллелепипеда можно вычислить по формуле:

а) $S=4 \times (a+b+c)$

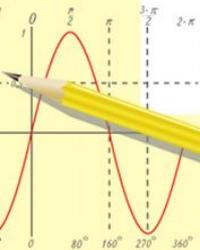
б) $S=2 \times (a \times b + b \times c + a \times c)$

в) $S=abc$

г) $S=6abc$



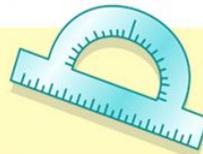
$$\begin{array}{r} 2500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 105000 \end{array}$$



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

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

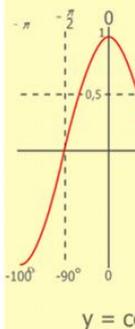
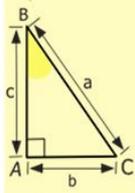


$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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

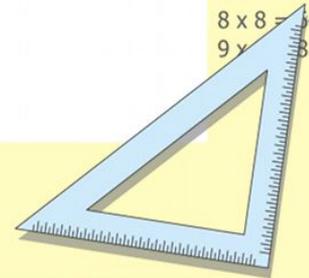
$$x = 70$$

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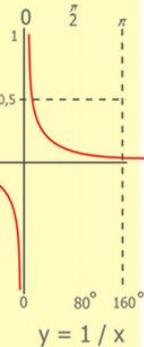
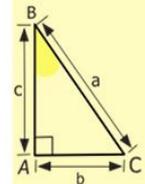
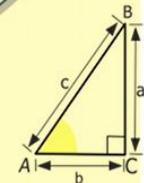
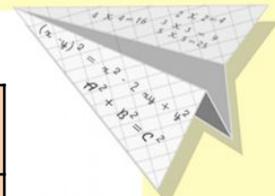
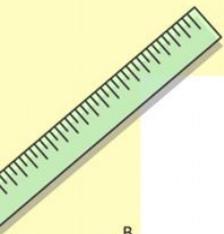
$$y = \cos$$

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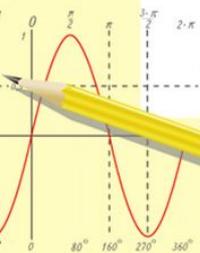
КЛЮЧ К ТЕСТУ

1	2	3	4	5
В	Г	В	а	б



$$\begin{array}{r} 1 \\ 2500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 105000 \end{array}$$

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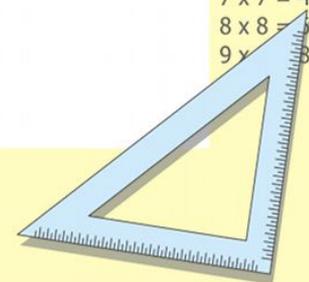
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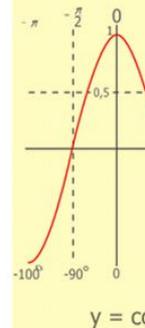
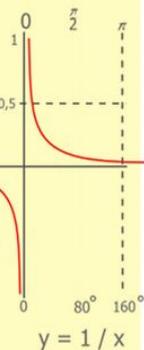
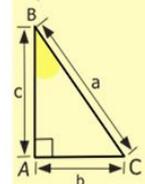
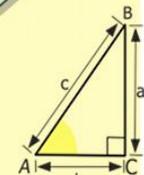
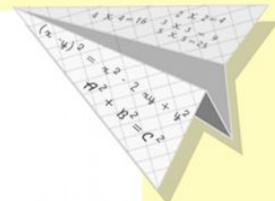
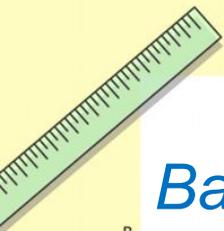
$$(x+y)(x-y) = x^2 - y^2$$



Важным свойством тела является его **вместимость**.

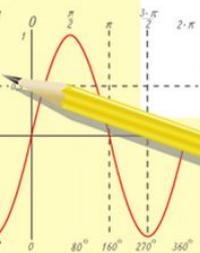
Вместимость фигуры характеризуют объемом.

За единицу измерения объема принимают объем единичного куба.



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

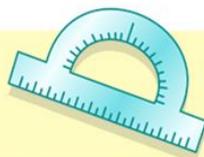
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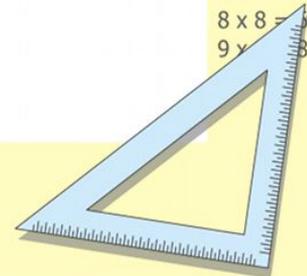
$$\sin 90^\circ = 1$$



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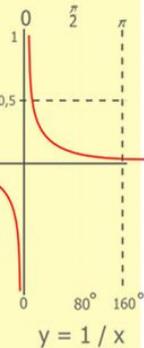
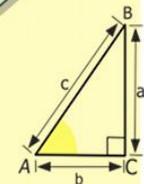
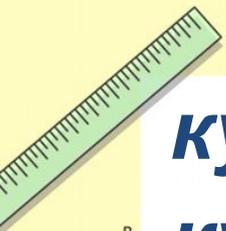
$$\begin{cases} y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$

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

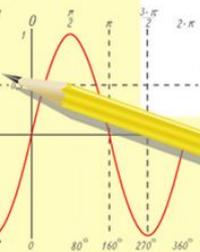


ЕДИНИЦЫ ОБЪЁМА

кубический миллиметр (1 мм³)
кубический сантиметр (1 см³)
кубический дециметр (1 дм³)
кубический метр (1 м³)
кубический километр (1 км³)
1 дм³ = 1 л (литр)



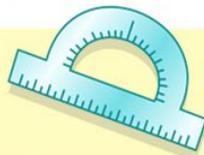
$$\begin{array}{r}
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 \times 42 \\
 \hline
 210 \\
 + 84 \\
 \hline
 105000
 \end{array}$$



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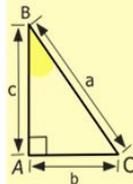
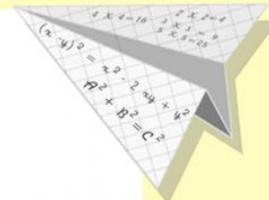


$$\begin{cases}
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 x = 25y + 45
 \end{cases}$$

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

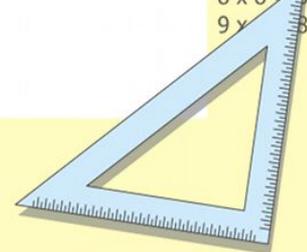
$$x = 70$$

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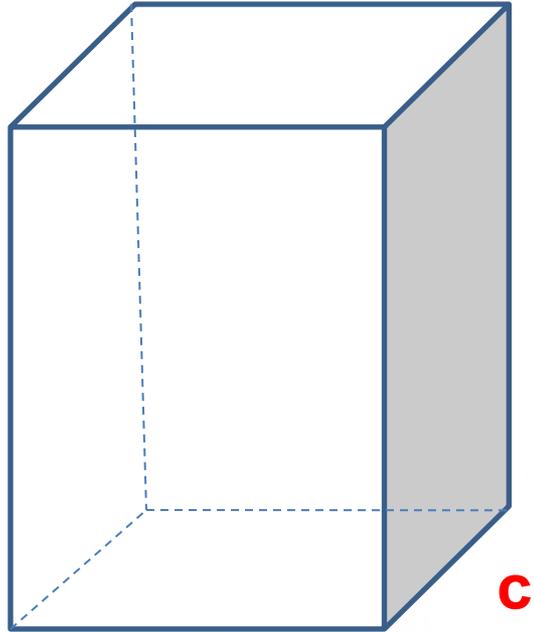


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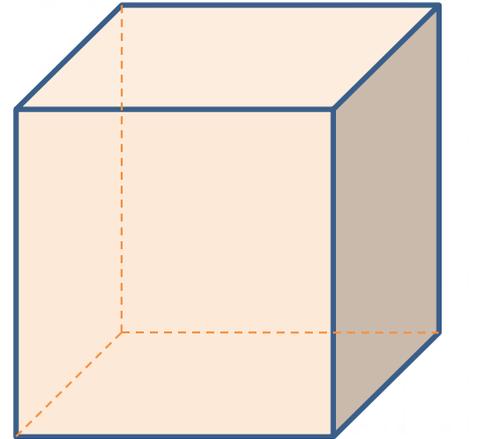
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 \end{array}$$



ФОРМУЛЫ ОБЪЁМОВ ПАРАЛЛЕЛЕПИПЕДА И КУБА

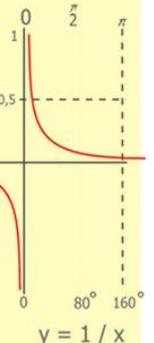
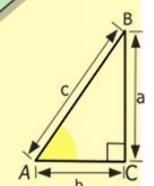
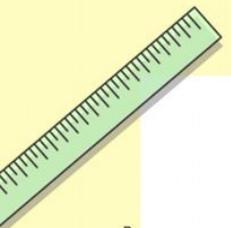


$V = abc$



$V = a^3$

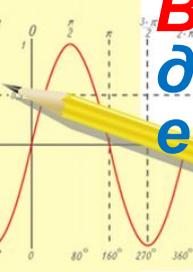
Внимание! При вычислениях все измерения должны быть выражены в одинаковых единицах.



$\frac{1}{2} 500$
 $\times 42$

 210
 $+ 84$

 105000



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

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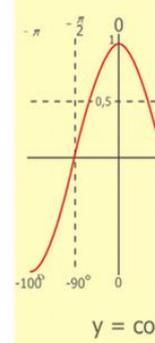
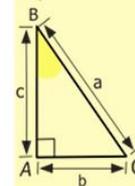
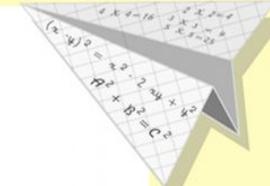


$y = \sin 90$
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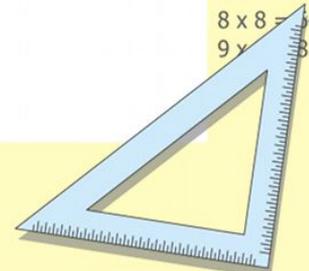
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$(x+y)(x-y) = x^2 - y^2$



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Решение задач

№828

Образец:

$$2\text{дм}^3 135\text{см}^3 = 2000\text{см}^3 + 135\text{см}^3 = 2135\text{ см}^3$$

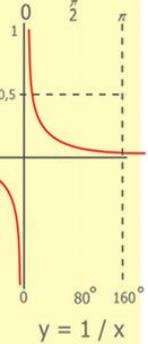
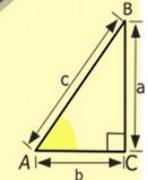
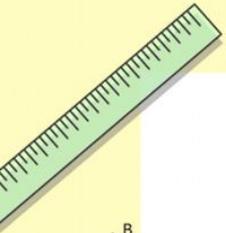
$$5\text{м}^3 67\text{дм}^3 = 5000\text{ дм}^3 + 67\text{ дм}^3 = 5067\text{ дм}^3$$

$$16247000\text{см}^3 = 16247\text{дм}^3 = 16\text{м}^3 247\text{ дм}^3$$

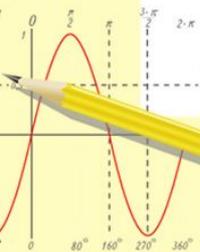
№ 843

№844

№847



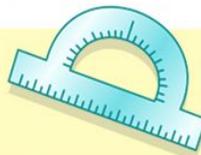
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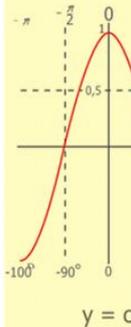
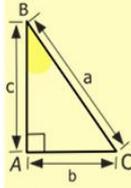
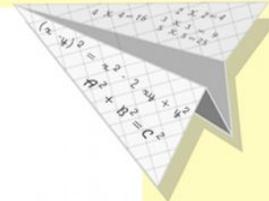
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