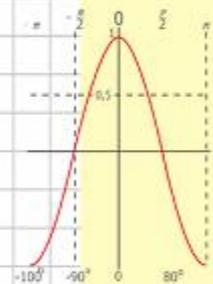
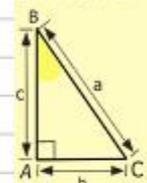
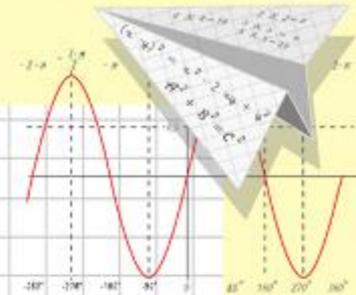
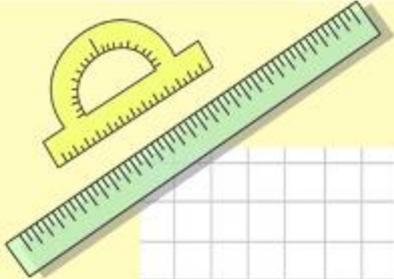


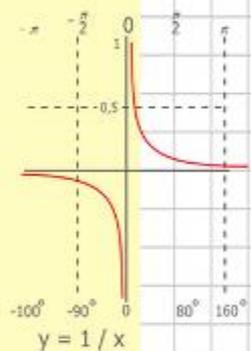
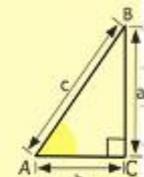
Математика

*«С маленькой удачи
начинается большой
успех...»*



$y = \cos x$

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

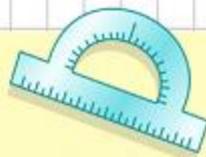


$$\begin{array}{r} \frac{1}{2} 500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 105000 \end{array}$$

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

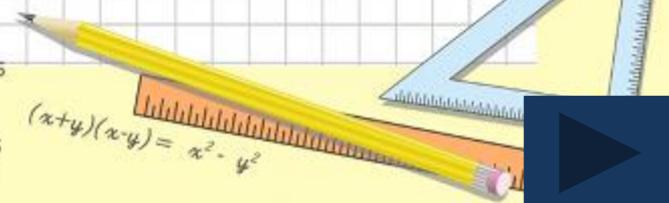
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

$\sin 90^\circ = 1$



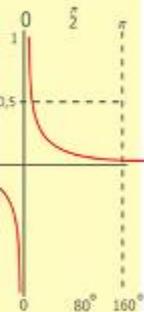
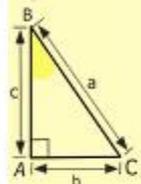
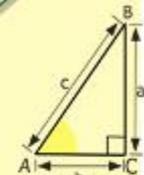
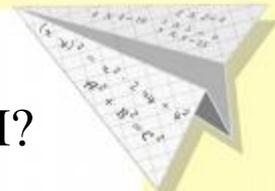
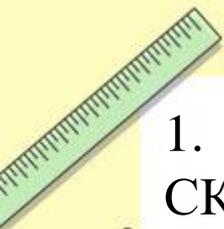
$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \\ y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$

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



Математическое лото

1. НЕЗНАЙКА ПРОШЕЛ ПО ТРОПИНКЕ 12 КМ СО СКОРОСТЬЮ 4 КМ/Ч. СКОЛЬКО ВРЕМЕНИ ОН БЫЛ В ПУТИ?
2. ВОЛК РЕШИЛ ПРОВЕДАТЬ СОБАКУ В ДЕРЕВНЕ. СКОРОСТЬ ВОЛКА 20 КМ/Ч. КАКОЕ РАССТОЯНИЕ СЛЕДУЕТ ПРОБЕЖАТЬ ВОЛКУ ДО ВСТРЕЧИ ЗА 2 ЧАСА?
3. КОРАБЛЬ ПИРАТОВ ПРОШЕЛ РАССТОЯНИЕ 50 КМ ЗА 2 ЧАСА. НАЙДИТЕ СКОРОСТЬ ПИРАТСКОГО КОРАБЛЯ.
4. ПЧЕЛА ЛЕТИТ СО СКОРОСТЬЮ 35 КМ/Ч. КАКОЕ РАССТОЯНИЕ ПРОЛЕТИТ ПЧЕЛА В ПОИСКАХ НЕКТАРА ЗА 4 ЧАСА?
5. ИВАН ЦАРЕВИЧ ДОЛЖЕН ОТПРАВИТЬСЯ В ТРИДЕВЯТОЕ ЦАРСТВО, ДО КОТОРОГО РАССТОЯНИЕ 2800 КМ. СКОРОСТЬ КОВРА-САМОЛЕТА 700 КМ/Ч. СКОЛЬКО ВРЕМЕНИ ЕМУ ПОТРЕБУЕТСЯ НА ПЕРЕЛЕТ ДО ТРИДЕВЯТОГО ЦАРСТВА?

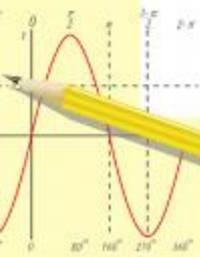


$$y = 1/x$$

$$y = \cos$$

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

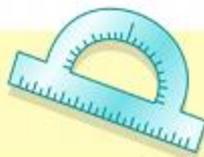
$$\begin{array}{l} 2 \times 2 = 4 \\ 3 \times 3 = 9 \\ 4 \times 4 = 16 \\ 5 \times 5 = 25 \\ 6 \times 6 = 36 \\ 7 \times 7 = 49 \\ 8 \times 8 = 64 \\ 9 \times 9 = 81 \end{array}$$



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

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

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

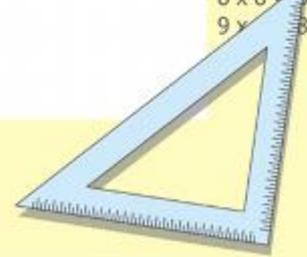


$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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

$$x = 70$$

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



Математическое лото

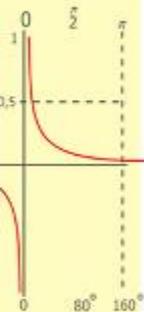
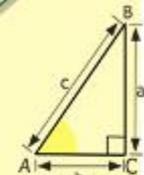
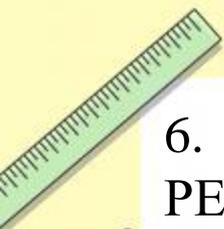
6. МАРЬЯ - ИСКУСНИЦА ОТРЕЗАЛА КОСЫНКУ И РЕШИЛА ЕЕ ПОДШИТЬ. ВЫЧИСЛИТЕ ПЕРИМЕТР КОСЫНКИ-ТРЕУГОЛЬНИКА, ВСЕ СТОРОНЫ КОТОРОГО РАВНЫ 33 СМ.

7. ЦАРЕВНА-НЕСМЕЯНА НАШЛА У МАТЕРИ ЗЕРКАЛО. ЗЕРКАЛО ИМЕЕТ ФОРМУ КВАДРАТА. ВЫЧИСЛИТЕ ПЕРИМЕТР КВАДРАТА СО СТОРОНОЙ 27 ДМ.

8. МАЛЫШ ВРУЧИЛ КАРЛСОНУ ТОРТ. ВЫЧИСЛИТЕ ПЕРИМЕТР ТОРТА В ФОРМЕ ПРЯМОУГОЛЬНИКА, ЕСЛИ ЕГО СТОРОНЫ РАВНЫ 5 ДМ И 4 ДМ.

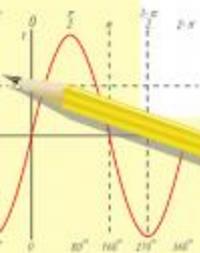
9. МАША ПОПРОСИЛА МЕДВЕДЯ СДЕЛАТЬ БАССЕЙН. ВЫЧИСЛИТЕ ПЕРИМЕТР ПРЯМОУГОЛЬНОГО БАССЕЙНА, ЕСЛИ ЕГО СТОРОНЫ РАВНЫ 3 М И 12 М.

ИЗ ОСТАВШИХСЯ БУКВ СОСТАВЛЯЕМ СЛОВО.....



$$y = 1/x$$

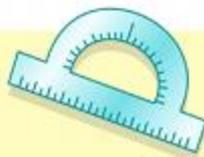
$$\begin{array}{r} \frac{1}{2} 500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 10500 \end{array}$$



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

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

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

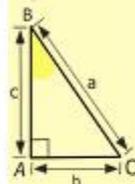


$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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

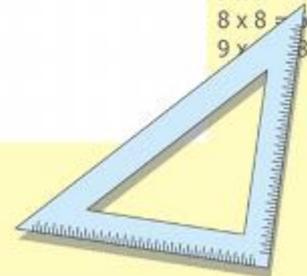
$$x = 70$$

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

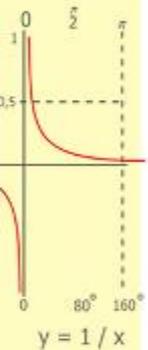
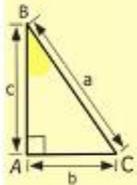
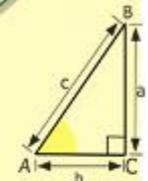
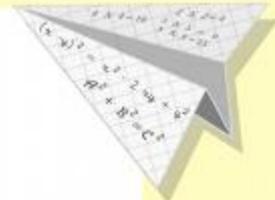
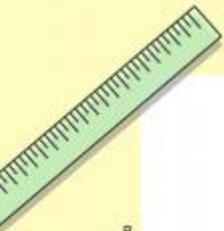


$$y = \cos$$

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

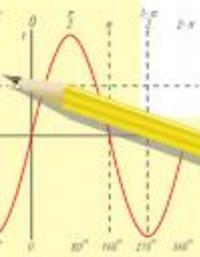


Площадь прямоугольника и квадрата



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

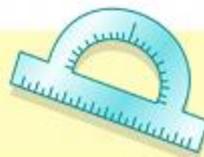
- $2 \times 2 = 4$
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$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

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

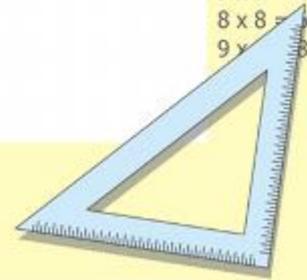
$$\sin 90^\circ = 1$$



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

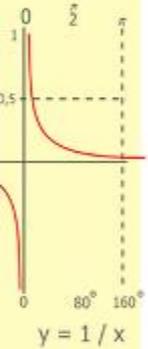
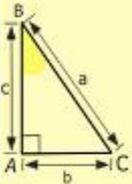
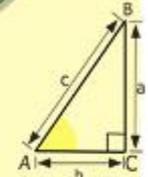
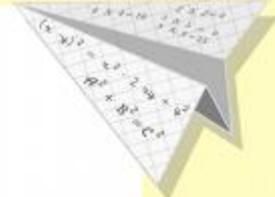
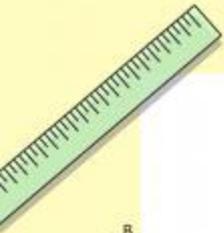
$$\begin{cases} y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$

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



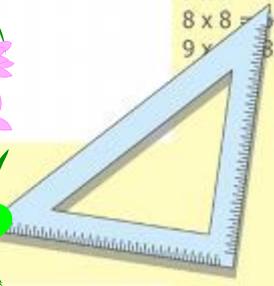
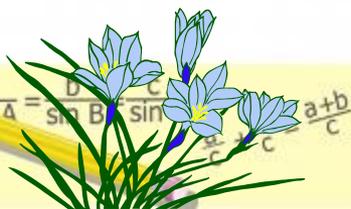
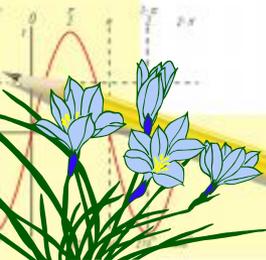
Заполните таблицу

S		21 км ²	160 мм ²	
a	10 см		4 см	6 м
b	8 см	3 км		60 дм



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

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



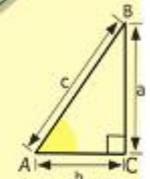
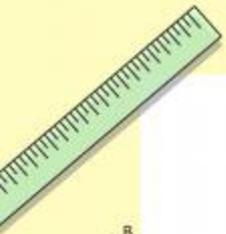
$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C} = \frac{a+b}{C}$$

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

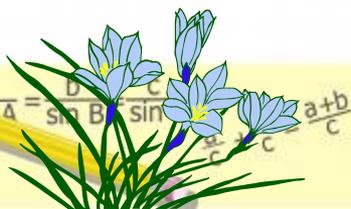
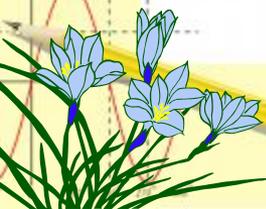
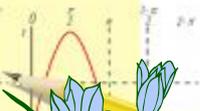
$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \\ y = 1 \\ x = 25 + 45 \\ x = 70 \end{cases}$$

Заполните таблицу

S	80 см ²	21 км ²	160 мм ²	36 м ²
a	10 см	7 км	4 мм	6 м
b	8 см	3 км	4 см	60 дм



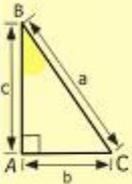
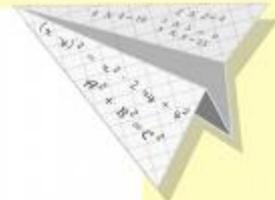
$$\begin{array}{r} \frac{1}{2} 500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 105000 \end{array}$$



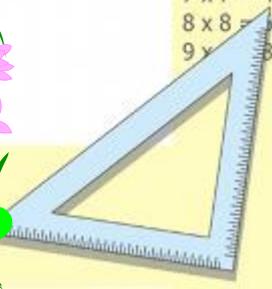
$$\sin 90^\circ = 1$$



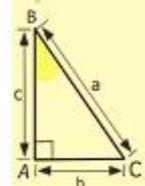
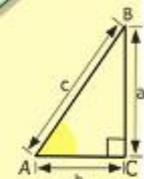
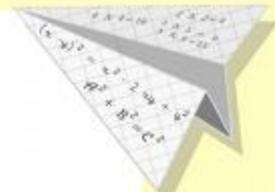
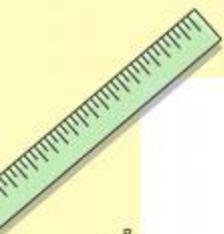
$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \\ y = 1 \\ x = 25 + 45 \\ x = 70 \end{cases}$$



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

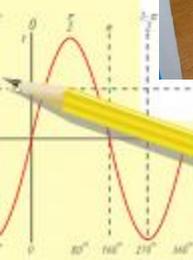


Практическая работа



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

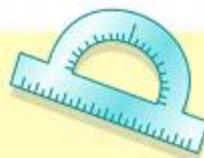
- 2 x 2 = 4
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$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

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



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

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

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



Практическая работа

Длина 8 метров

Ширина 6
метров

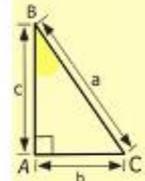
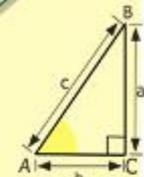
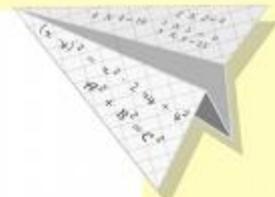
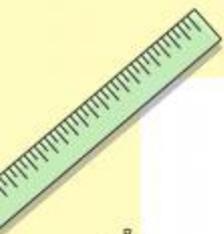


Первая группа получает задание:

Рассчитать количество линолеума для покрытия и его стоимость, если 1 квадратный метр в магазине стоит 500 рублей.

Вторая группа получает задание:

Рассчитать количество метров напольного плитуса и его стоимость, если 1 метр в магазине стоит 150 рублей.



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

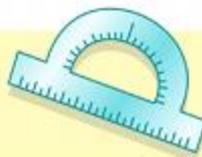
$$\begin{array}{l} 2 \times 2 = 4 \\ 3 \times 3 = 9 \\ 4 \times 4 = 16 \\ 5 \times 5 = 25 \\ 6 \times 6 = 36 \\ 7 \times 7 = 49 \\ 8 \times 8 = 64 \\ 9 \times 9 = 81 \end{array}$$



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

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

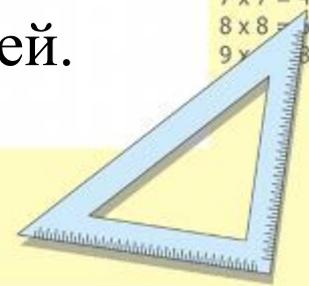
$$\sin 90^\circ = 1$$



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

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

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

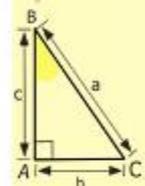
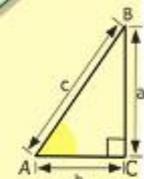
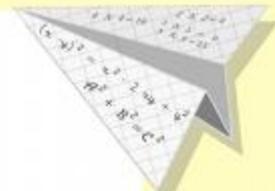
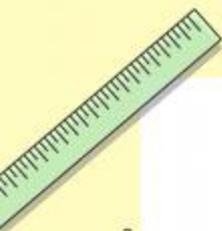


Физминутка

*Раз – на цыпочки подняться,
Надо всем друзья размяться.
Два – нагнулись до земли
И не раз, а целых три.
Три – руками помахали,
Наши рученьки устали.
На четыре - руки в боки,
Дружно делаем подскоки.
Пять – присели раза два.
Шесть – за парты нам пора.*

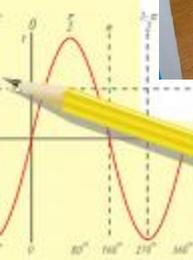


Практическая работа



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

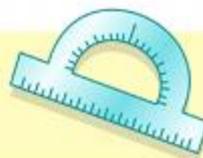
- 2 x 2 = 4
- 3 x 3 = 9
- 4 x 4 = 16
- 5 x 5 = 25
- 6 x 6 = 36
- 7 x 7 = 49
- 8 x 8 = 64
- 9 x 9 = 81



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

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

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



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

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

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



Результат работы 2-ой группы

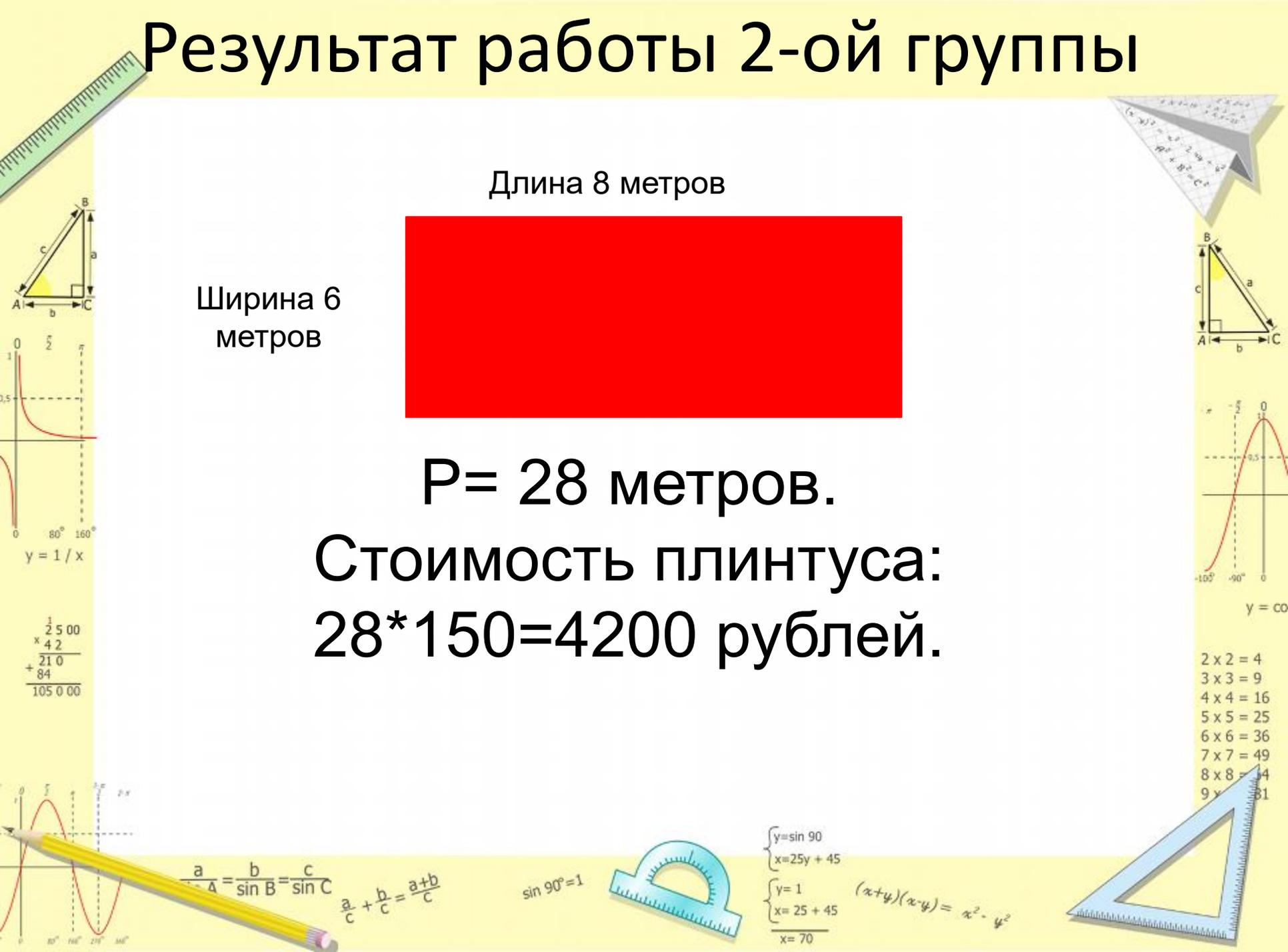
Длина 8 метров

Ширина 6 метров

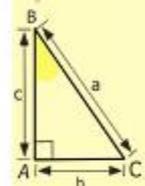
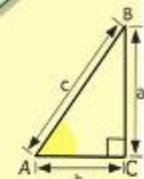
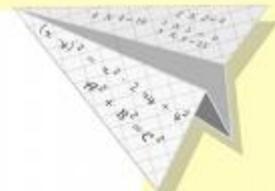
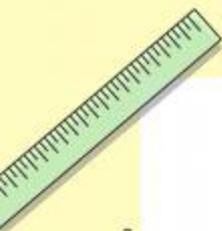


$P = 28$ метров.

Стоимость плитуса:
 $28 * 150 = 4200$ рублей.

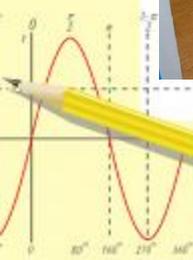


Практическая работа



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

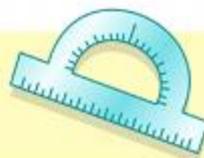
- 2 x 2 = 4
- 3 x 3 = 9
- 4 x 4 = 16
- 5 x 5 = 25
- 6 x 6 = 36
- 7 x 7 = 49
- 8 x 8 = 64
- 9 x 9 = 81



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

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

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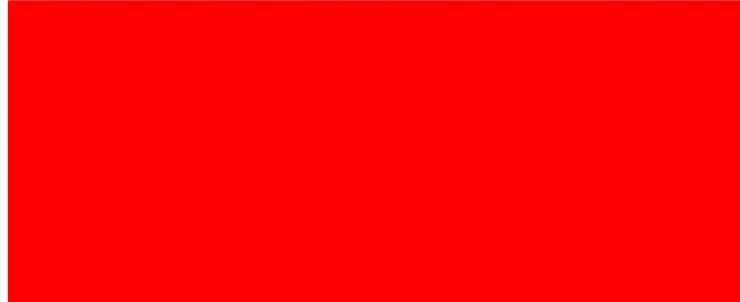
$$(x+y)(x-y) = x^2 - y^2$$



Результат общей работы

Длина 8 метров

Ширина 6 метров



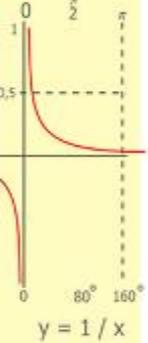
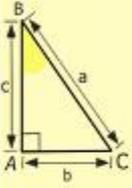
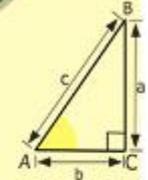
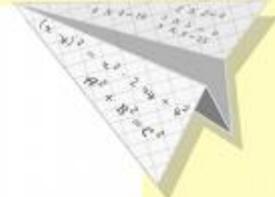
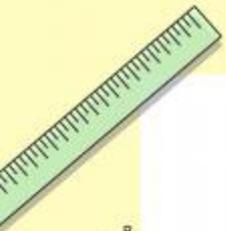
S= 48 квадратных метров.

Стоимость линолеума:
48*500=24000 рублей.

P= 28 метров.

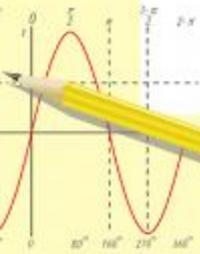
Стоимость плитуса:
28*150=4200 рублей.

ИТОГОВАЯ СТОИМОСТЬ:
24000+4200=28200 рублей



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

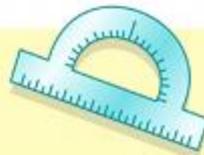
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- 8 x 8 = 64
- 9 x 9 = 81



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

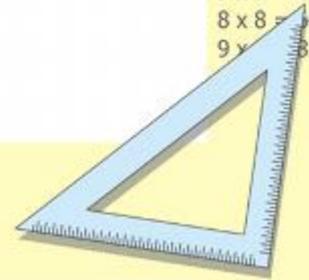
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

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



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

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



Рефлексия

ПРОДОЛЖИ ПРЕДЛОЖЕНИЯ:

Сегодня на уроке я узнал.....

Сегодня на уроке мне понравилось.....

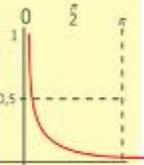
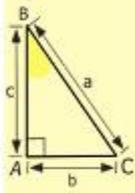
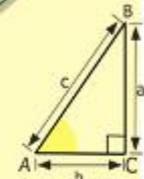
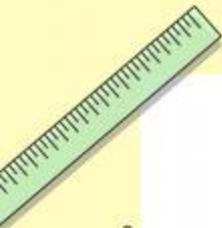
На уроке мне пригодились знания.....

Для меня было сложно.....

Я смог.....

Мне захотелось.....

С урока я уйду снастроением.

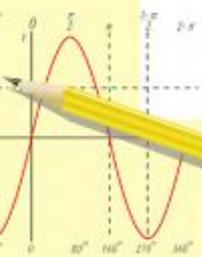


$$y = 1/x$$

$$y = \cos$$

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

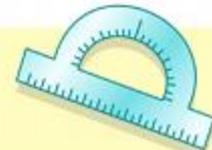
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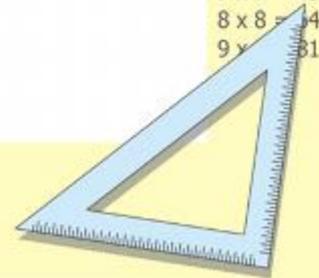
$$\sin 90^\circ = 1$$



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

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

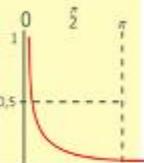
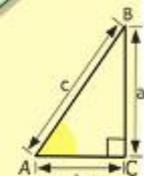
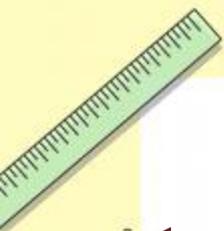
$$(x+y)(x-y) = x^2 - y^2$$



Домашнее задание

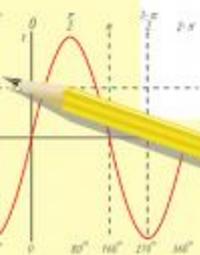
1. Выполнить необходимые измерения и вычислить площадь пола своей комнаты. Оформить задачей. (Каким инструментом будем измерять?).

2. Представьте, что вы попали в город, где живут квадраты и прямоугольники. Какой он? Нарисуйте.



$$y = 1/x$$

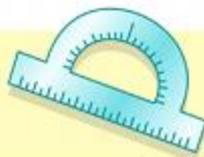
$$\begin{array}{r} \frac{1}{2} 500 \\ \times 42 \\ \hline 2100 \\ + 8400 \\ \hline 105000 \end{array}$$



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

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

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

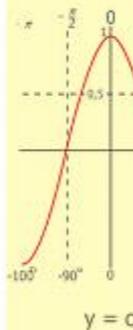
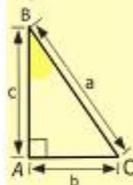
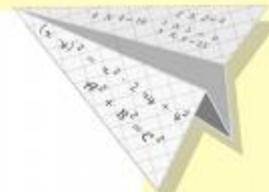


$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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

$$x = 70$$

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



$$y = \cos$$

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

