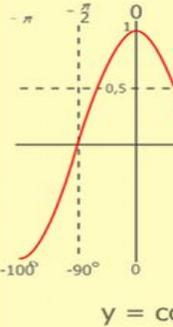
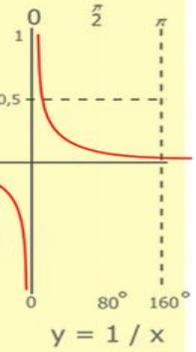
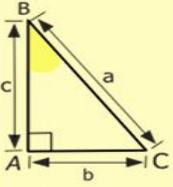
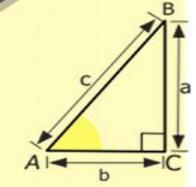
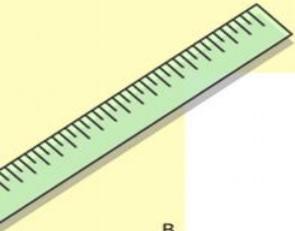


Обыкновенные дроби.

Смешанные числа.

5 класс.



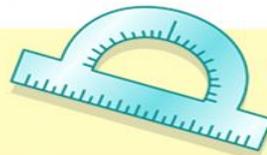
$$\begin{array}{r} 1 \\ \times 2500 \\ \hline 2500 \\ + 84 \\ \hline 105000 \end{array}$$

- $2 \times 2 = 4$
- $3 \times 3 = 9$
- $4 \times 4 = 16$
- $5 \times 5 = 25$
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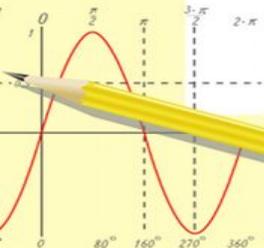
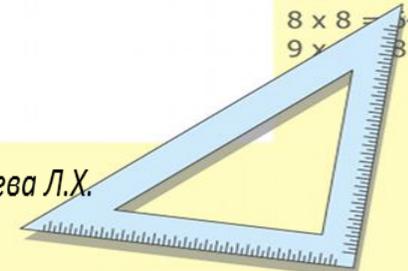


$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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

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

Медоева Л.Х.



Девиз урока:

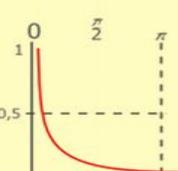
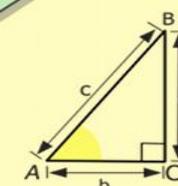
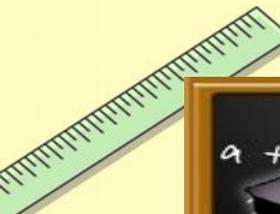
Думаю!

Знаю!

Могу!

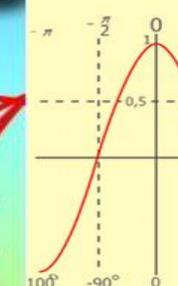
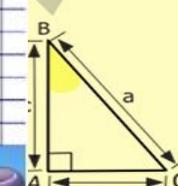
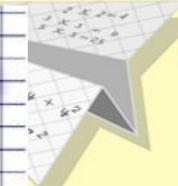
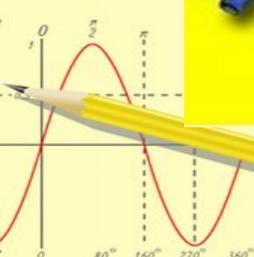


5
Б



$y = 1/x$

$$\begin{array}{r} 1\ 5\ 00 \\ \times 4\ 2 \\ \hline 21\ 0 \\ + 84\ 0 \\ \hline 105\ 0\ 00 \end{array}$$



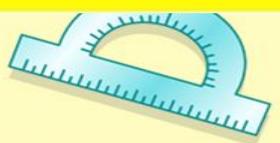
$y = \cos$

- $2 \times 2 = 4$
- $3 \times 3 = 9$
- $4 \times 4 = 16$
- $5 \times 5 = 25$
- $6 \times 6 = 36$
- $7 \times 7 = 49$
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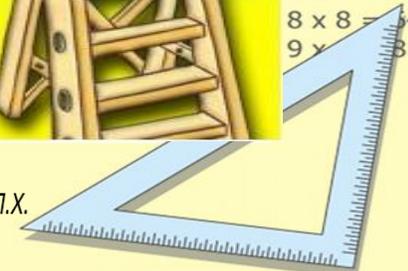
$$\sin 90^\circ = 1$$



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

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

Медведева Л.Х.



Отгадай слово

96:3

+28

:3

-5

:25

84:28

-18

+46

:20

-3

4·14

+40

:48

-35

:5

75:15

+35

:2

-45

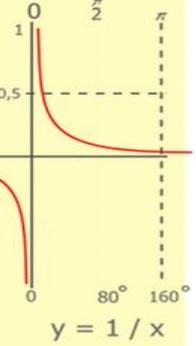
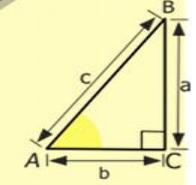
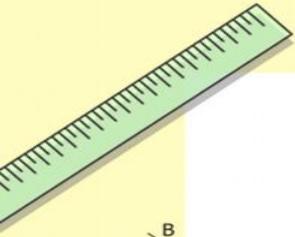
-725

14 - Л

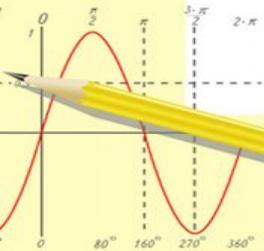
4 - Д

175 - Я

15 - О



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



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

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

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

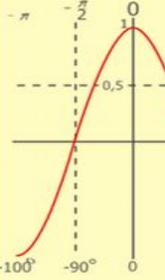
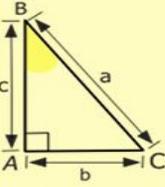
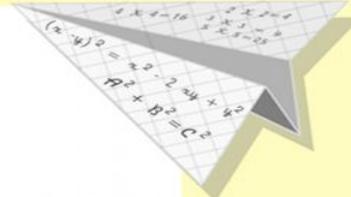


$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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

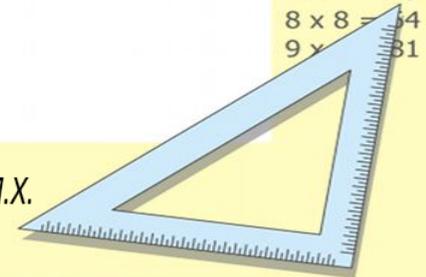
$$(x+y)(x-y) = x^2 - y^2$$

Медоева Л.Х.



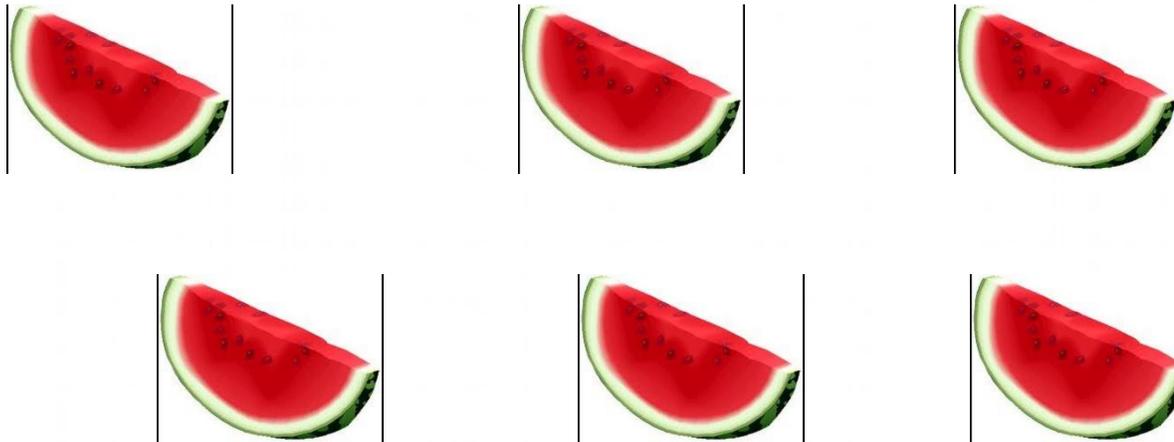
y = cos

- 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



Рассмотрим задачу:

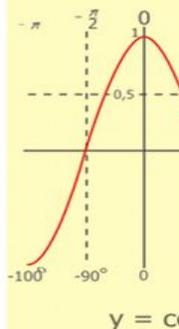
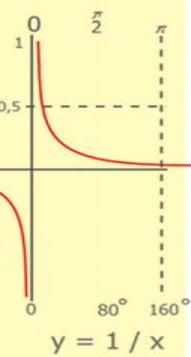
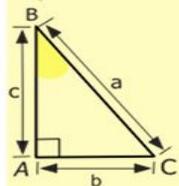
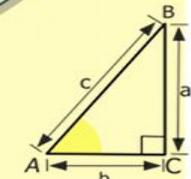
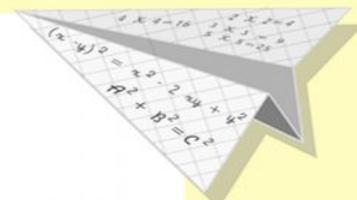
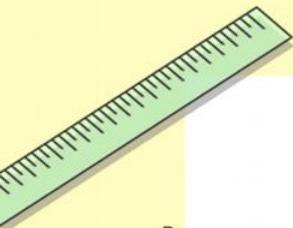
Шесть друзей хотят, чтобы каждому досталась одинаковая часть арбуза. Как это сделать? Сколько каждому достанется?



Равные части арбуза – называют ДОЛЯМИ. Так как арбуз разделили на 6 долей, то одна доля - «одна шестая арбуза»

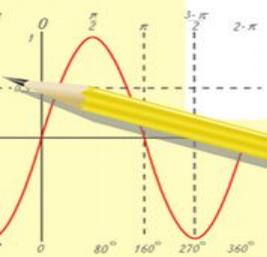
$\frac{1}{6}$

Медоева Л.Х.



$$\begin{array}{r} 1 \ 2 \ 5 \ 00 \\ \times 4 \ 2 \\ \hline 21 \ 0 \\ + 84 \\ \hline 105 \ 0 \ 00 \end{array}$$

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



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

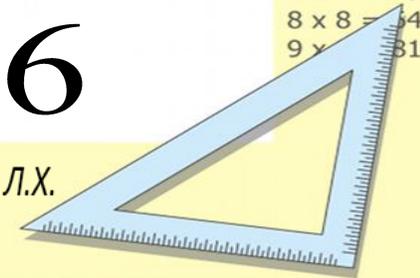
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

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

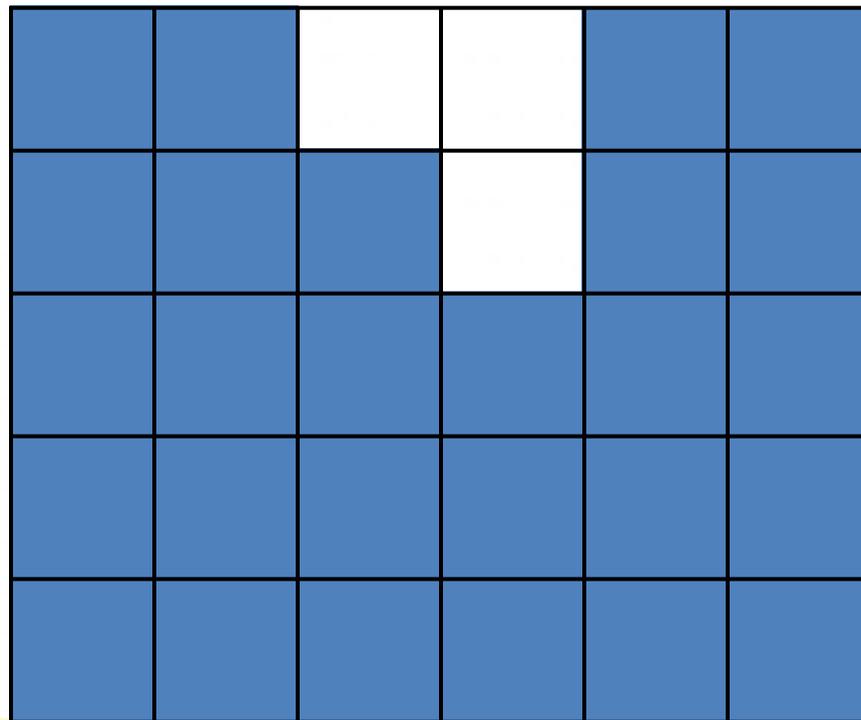


$$\begin{cases} y = 1 \\ x = 25 + 45 \end{cases} \Rightarrow \begin{cases} y = 1 \\ x = 70 \end{cases}$$

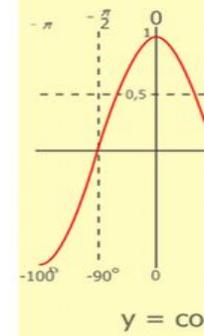
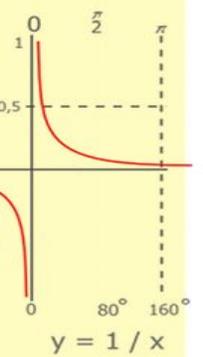
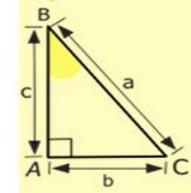
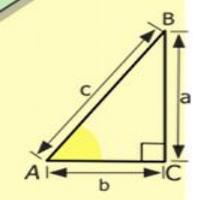
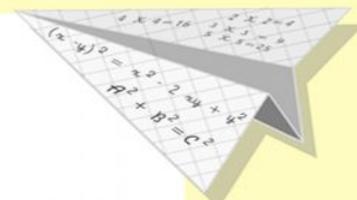
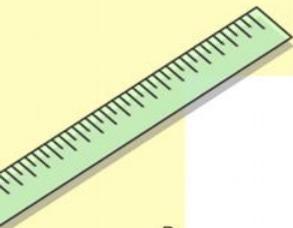
$$(x+y)(x-y) = x^2 - y^2$$



Какая часть фигуры закрашена?



~~12~~
~~30~~

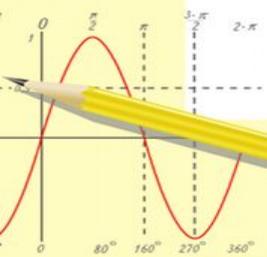


$\frac{1}{2} 500$
 $\times 42$

 210
 $+ 84$

 105000

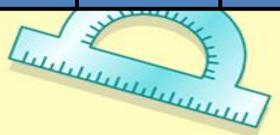
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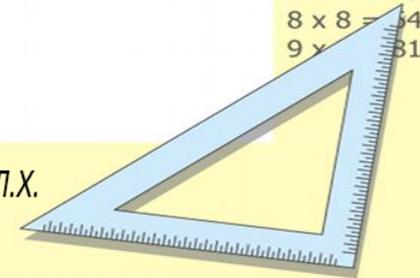
$$\sin 90^\circ = 1$$



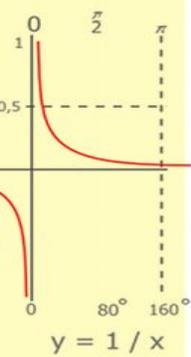
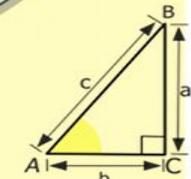
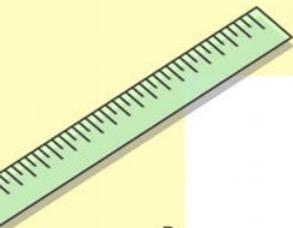
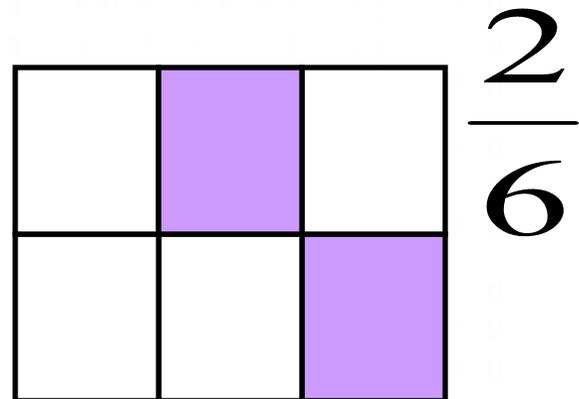
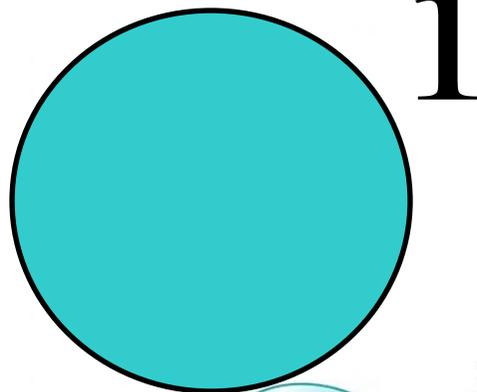
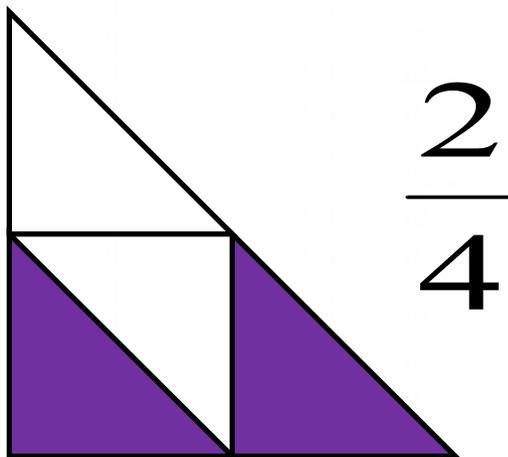
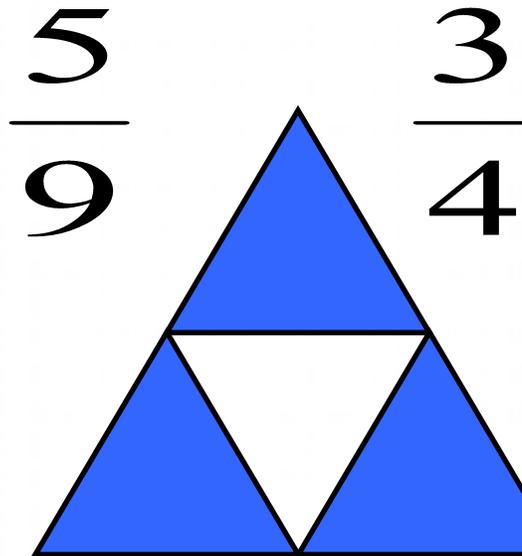
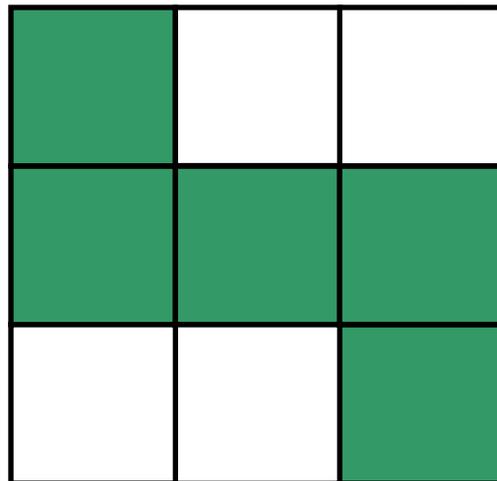
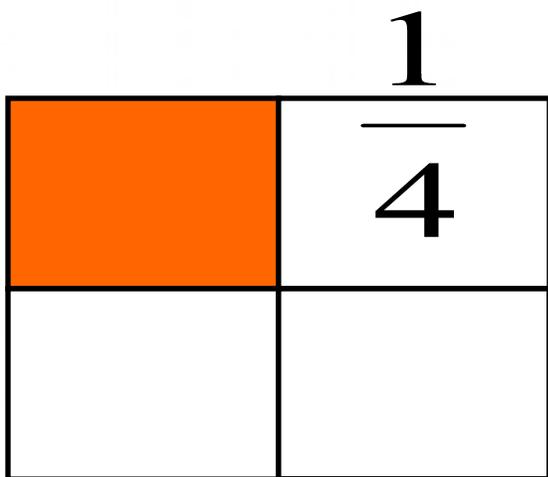
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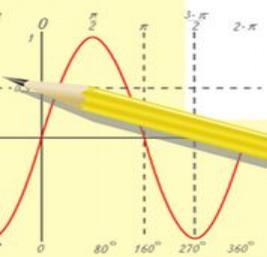
Медоева Л.Х.



Какая часть фигуры закрашена?



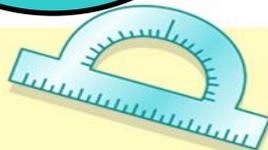
$$\begin{array}{r} 1 \\ \times 2500 \\ \hline 2500 \\ + 84 \\ \hline 105000 \end{array}$$



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

$\sin 90^\circ = 1$

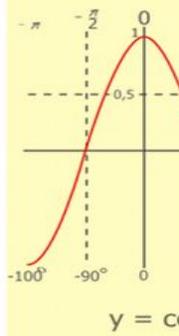
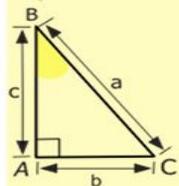
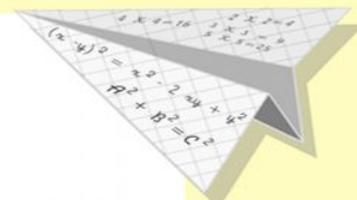


$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

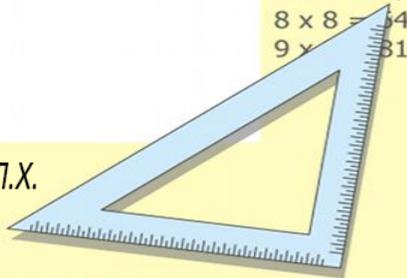
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Медоева Л.Х.



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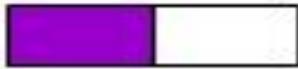


ПОВТОРИТЕ!

1. Доля

Опр. Каждая из равных частей единицы называется долей.

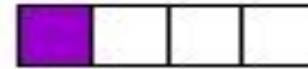
$\frac{1}{2}$ - половина;



$\frac{1}{3}$ - треть;



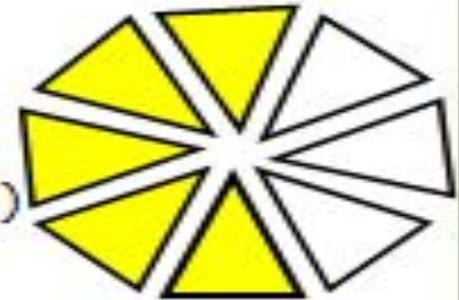
$\frac{1}{4}$ - четверть;



2. Обыкновенная дробь

5 - Числитель (сколько взяли долей)

8 - Знаменатель (на сколько долей делят)

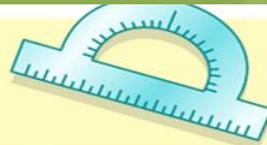


Запомни! Дробная черта означает ДЕЛЕНИЕ

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

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

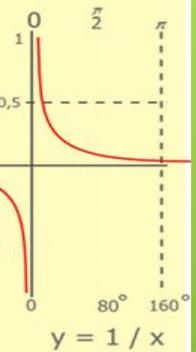
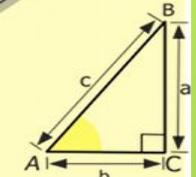
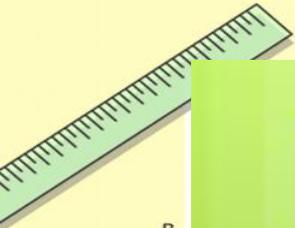
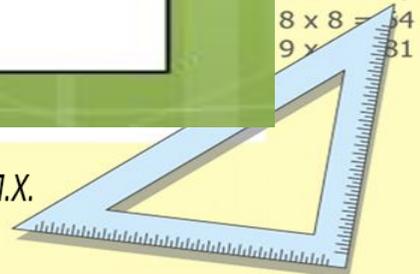
$$\sin 90^\circ = 1$$



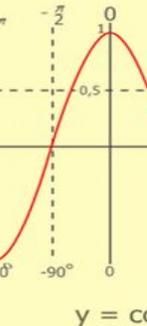
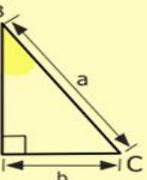
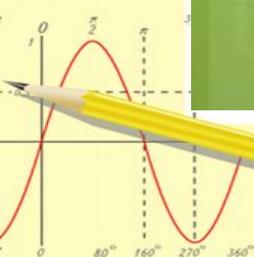
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Медоева Л.Х.



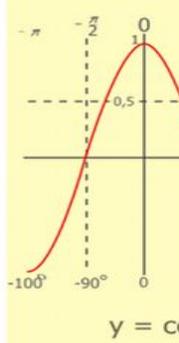
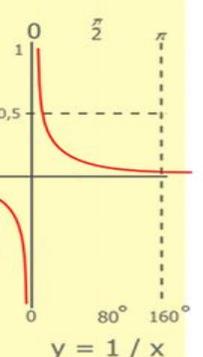
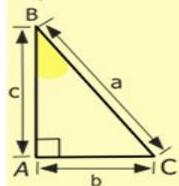
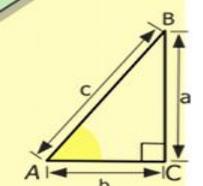
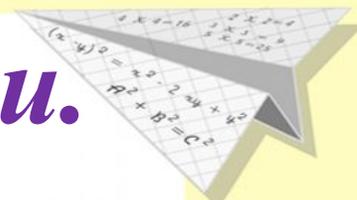
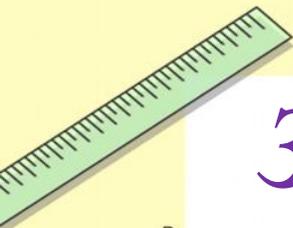
$$\begin{array}{r} 1 \\ \times 2500 \\ 42 \\ \hline 210 \\ + 84 \\ \hline 105000 \end{array}$$



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

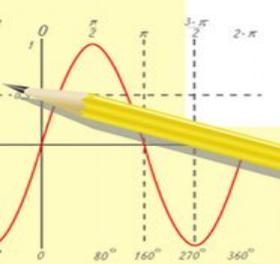
Запишите в виде обыкновенной дроби.

1. Две седьмых $\frac{2}{7}$
2. Четыре девятых $\frac{4}{9}$
3. Одна сотая $\frac{1}{100}$
4. Шесть восьмых $\frac{6}{8}$
5. Три двадцать пятых $\frac{3}{25}$
6. Половина $\frac{1}{2}$



$$\begin{array}{r} 1 \ 2 \ 5 \ 00 \\ \times 4 \ 2 \\ \hline 21 \ 0 \\ + 84 \\ \hline 105 \ 0 \ 00 \end{array}$$

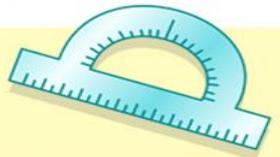
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$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

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

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

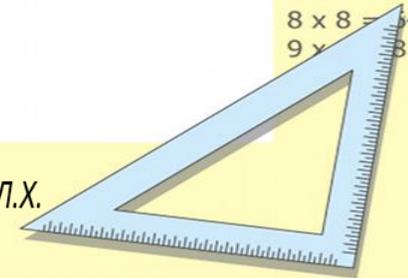


$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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

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

Медоева Л.Х.



Сравните числа:

$$\frac{5}{13} \text{ и } \frac{7}{13}; \quad 1 \text{ и } \frac{11}{9};$$

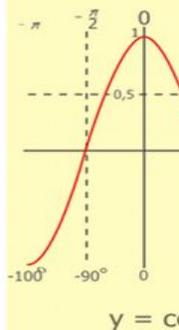
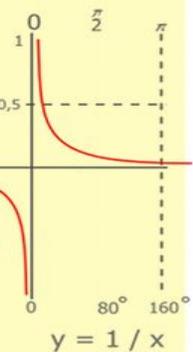
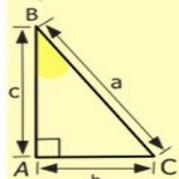
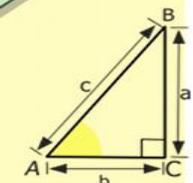
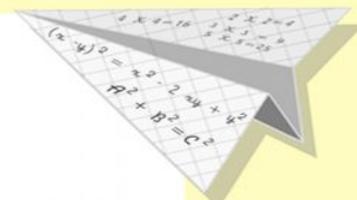
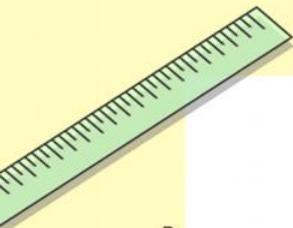
$$\frac{29}{5} \text{ и } \frac{29}{6};$$

$$\frac{5}{5} \text{ и } \frac{17}{18}; \quad \frac{15}{13} \text{ и } \frac{13}{15};$$

$$\frac{7}{6} \text{ и } \frac{57}{59};$$

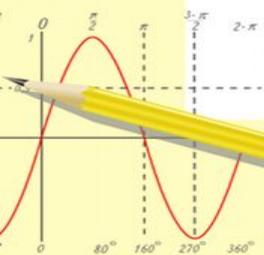
$$1 \text{ и } \frac{15}{16}; \quad \frac{3}{3} \text{ и } \frac{8}{8};$$

$$\frac{5}{23} \text{ и } \frac{5}{24}.$$



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

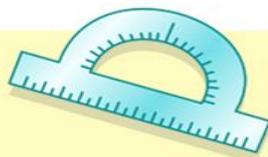
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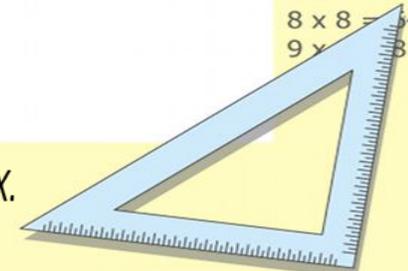


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Медоева Л.Х.



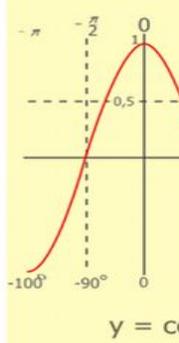
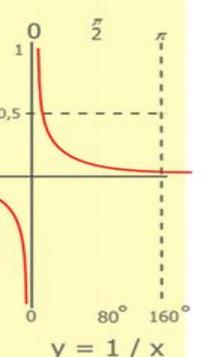
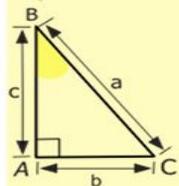
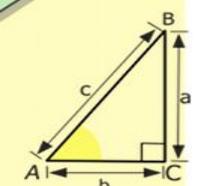
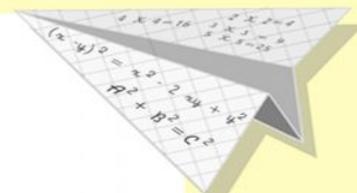
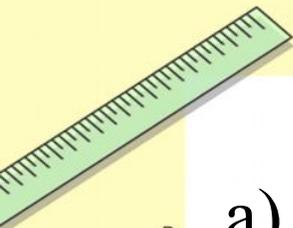
1. Запишите число 4 в виде дроби со знаменателем:

а) 2; б) 4; в) 15.

2. Решите уравнение: а) $\frac{b}{7} = \frac{5}{7}$; б) $\frac{169}{x} = 13$; в) $\frac{b+3}{7} = 1$;

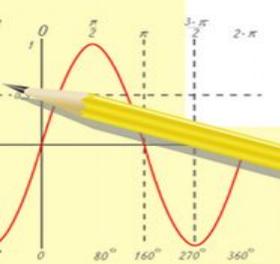
3. Представьте дробь в виде частного двух чисел:

а) $\frac{8}{2} = \dots$; б) $\frac{19}{5} = \dots$; в) $\frac{23}{6} = \dots$.



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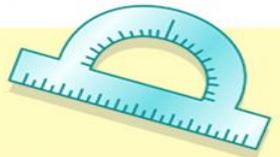
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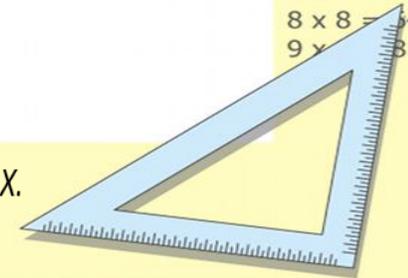
$$\sin 90^\circ = 1$$



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

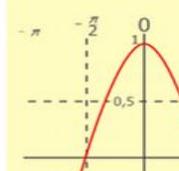
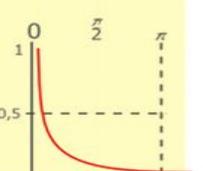
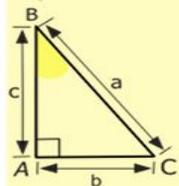
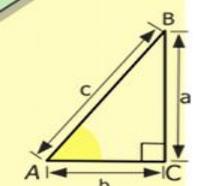
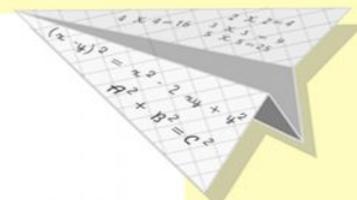
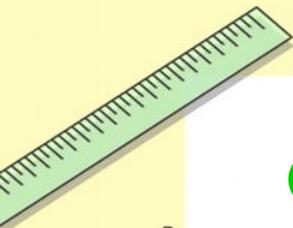
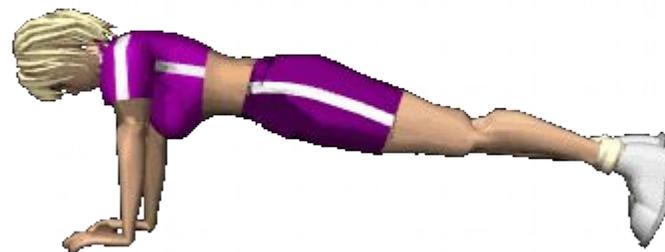
$$(x+y)(x-y) = x^2 - y^2$$

Медоева Л.Х.



Физкультминутка.

А теперь ребята встали!
Быстро руки вверх подняли,
В стороны, вперед, назад,
Повернулись вправо, влево,
Тихо сели – вновь за дело.

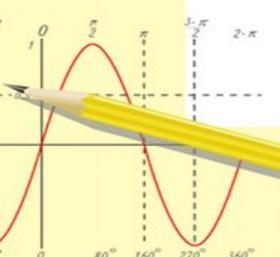


$$y = 1/x$$

$$y = \cos$$

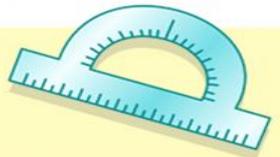
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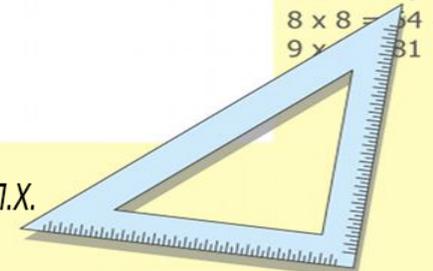
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Медоева Л.Х.



В классе:

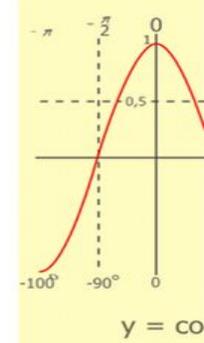
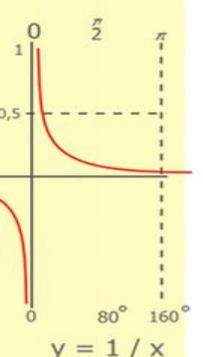
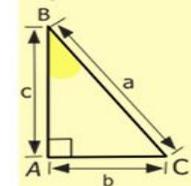
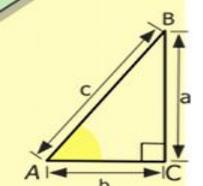
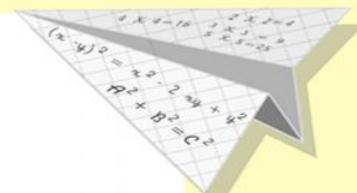
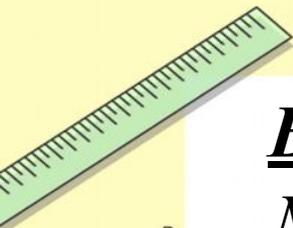
№769, №771, №773



Домашнее задание:

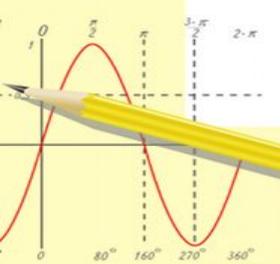
§29, №770, №772, №774

Все в ваших руках...



$$\begin{array}{r} 1 \ 2 \ 5 \ 00 \\ \times 4 \ 2 \\ \hline 21 \ 0 \\ + 84 \\ \hline 105 \ 0 \ 00 \end{array}$$

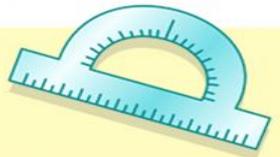
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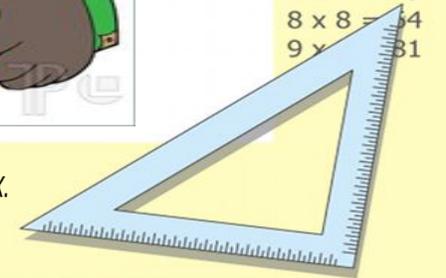
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Медоева Л.Х.



Рефлексия урока

Оценочный лист

Ф.И.О. ученика _____

Класс _____

№ п/п	Перечень заданий	Баллы
-------	------------------	-------

- | | | |
|---|--------------------------|--|
| 1 | Устные ответы на вопросы | |
| 2 | Вычисление по формулам | |

- | | | |
|---|----------------------------------|--|
| 3 | Ответы на дополнительные вопросы | |
|---|----------------------------------|--|

Итого:

Оценка:

Вывод:

- тема усвоена полностью
- тема усвоена частично
- тема не усвоена

2 балла - задание

выполнено

полностью;

1 балл - задание

выполнено частично;

0 баллов - задание

не выполнено.

Перевод баллов в

оценки:

7-8 баллов - оценка «5»; **легким/трудным**;

6 баллов - оценка «4»;

4-5 баллов - оценка **интересным/не интересным**.

«3»;

меньше 4 баллов -
оценка «2»

- на уроке я работал **активно/пассивно**;
- своей работой на уроке **доволен/не доволен**;
- урок для меня показался **коротким/длинным**;
- за урок я **не устал/устал**;
- материал урока мне был **понятен / не понятен, интересен/ скучен**;

• домашнее задание мне кажется

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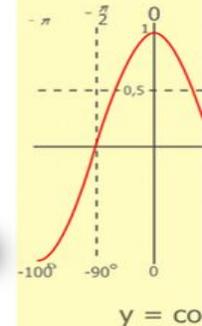
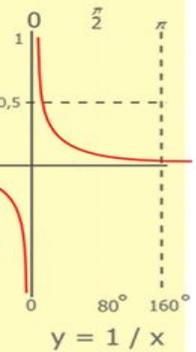
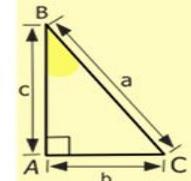
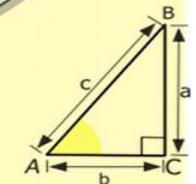
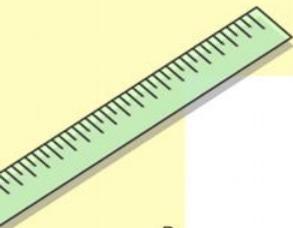
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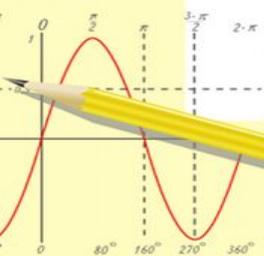
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СПАСИБО ЗА УРОК!



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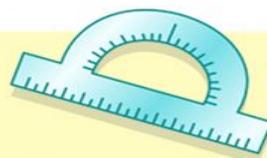
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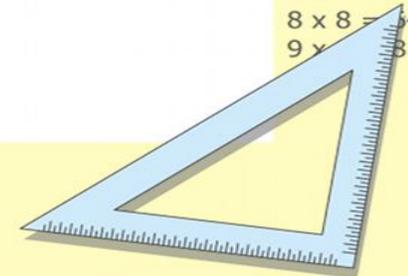


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Медоева Л.Х.



Источники:

1. <http://medicmap.ru/upload/images/16089.jpg>

– дольки арбуза

2. https://s.pfst.net/2013.08/2987297880659319da601ed924c43e63e2c80c0c68c_b.jpg

дольки апельсина

3. <http://dom-krolika.ru/wp-content/uploads/images/acc3f8a65e1113d021747d1bb948ddf0.jpeg>

– дольки яблока

4. <http://i54.tinypic.com/14j4v1u.jpg>

-Картинка отжимания

5. http://auto-prima.ru/images/img_user_file_581b814127f0a_1.jpg

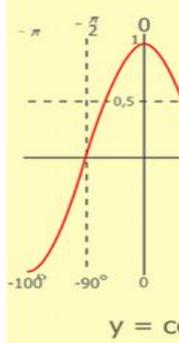
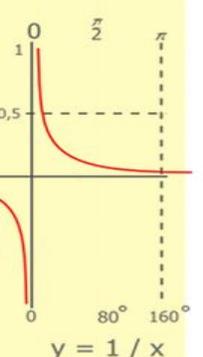
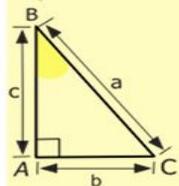
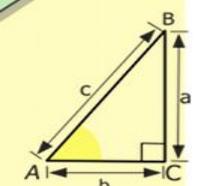
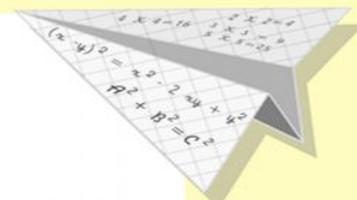
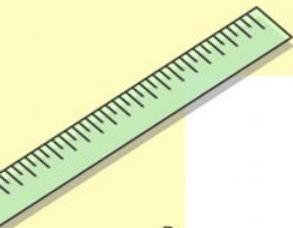
– арбуз

6. <http://img.youtube.com/vi/3CqTXYfhTm4/0.jpg>

– одна долька арбуза

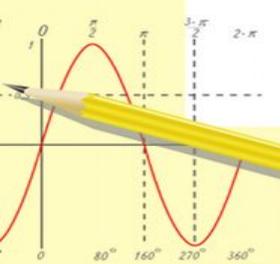
7. <https://www.genuinedoggear.com/mm5/graphics/00000001/Thumbs%20Up.jpg>

смайлик



$$\begin{array}{r} \frac{1}{2} \ 5 \ 00 \\ \times \ 4 \ 2 \\ \hline 21 \ 0 \\ + \ 84 \\ \hline 105 \ 0 \ 00 \end{array}$$

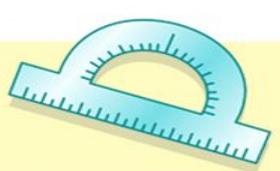
2 × 2 = 4
3 × 3 = 9
4 × 4 = 16
5 × 5 = 25
6 × 6 = 36
7 × 7 = 49
8 × 8 = 64
9 × 9 = 81



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

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

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



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

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

Медоева Л.Х.

