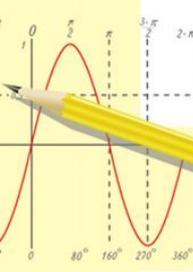
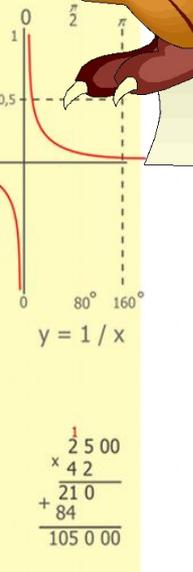




Добрый день, ребята! Посмотрите друг на друга и улыбнитесь!

На части не делится солнце лучистое
И вечную землю нельзя разделить,
Но искорку счастья луча золотистого
Ты можешь, ты в силах друзьям
подарить.

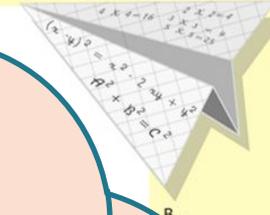
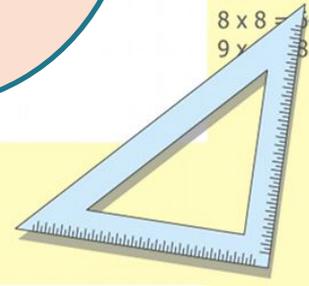


$$\frac{a}{A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

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

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

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

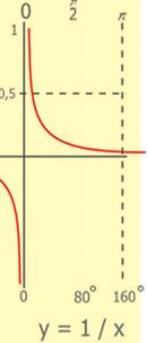
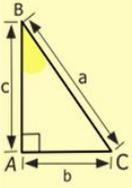
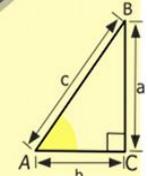
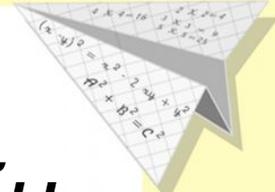
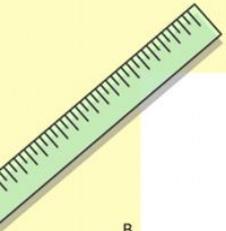


x = 70

«Человек подобен дроби, числитель которой есть то, что человек представляет собой, а знаменатель – то, что он думает о себе».

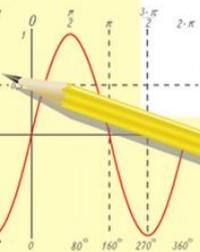
Л. Толстой

5
—
8



$$\begin{array}{r} \frac{1}{2} 5\ 00 \\ \times 42 \\ \hline 21\ 0 \\ + 84 \\ \hline 105\ 0\ 00 \end{array}$$

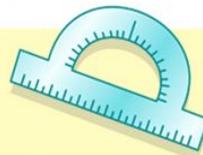
- 2 x 2 = 4
- 3 x 3 = 9
- 4 x 4 = 16
- 5 x 5 = 25
- 6 x 6 = 36
- 7 x 7 = 49
- 8 x 8 = 64
- 9 x 9 = 81



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

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

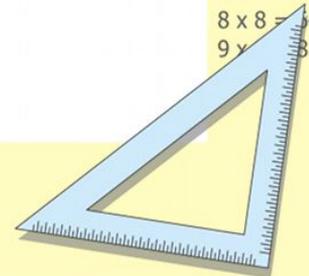
$$\sin 90^\circ = 1$$



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

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

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



Каждый может за версту
Видеть дробную черту.

Над чертой числитель, знайте,

Под чертою знаменатель.

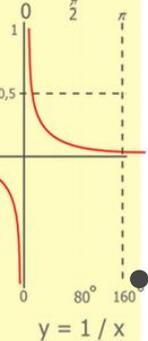
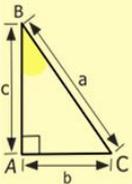
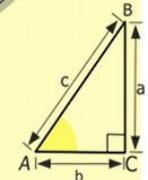
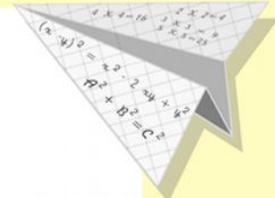
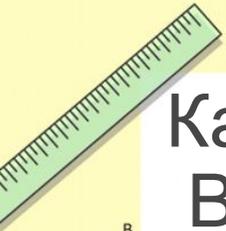
Дробь такую, непременно,

Надо звать обыкновенной.

Число, которое показывает, на сколько равных частей разделили целое, называется

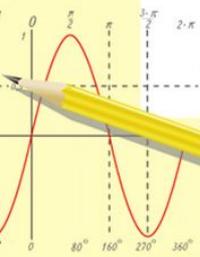
знаменатель.

Число, которое показывает, сколько равных частей взято, называется числитель.



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

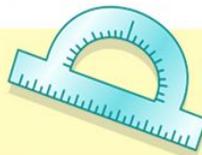
$$\begin{array}{l} 2 \times 2 = 4 \\ 3 \times 3 = 9 \\ 4 \times 4 = 16 \\ 5 \times 5 = 25 \\ 6 \times 6 = 36 \\ 7 \times 7 = 49 \\ 8 \times 8 = 64 \\ 9 \times 9 = 81 \end{array}$$



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

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

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

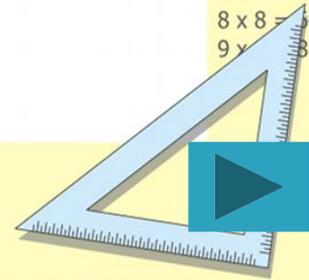


$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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

$$x = 70$$

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



Сравните:



$$\frac{5}{8}$$

<

$$\frac{7}{8}$$

$$\frac{11}{13}$$

>

$$\frac{11}{15}$$

$$\frac{19}{20}$$

>

$$\frac{14}{20}$$

$$\frac{9}{10}$$

?

$$\frac{12}{10}$$

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

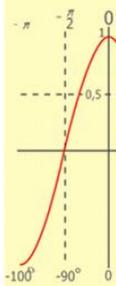
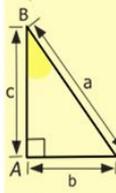
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

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

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

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

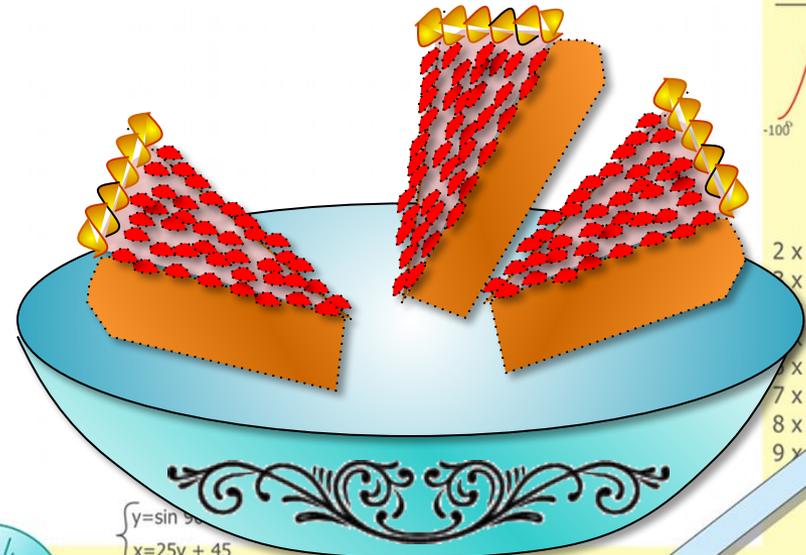
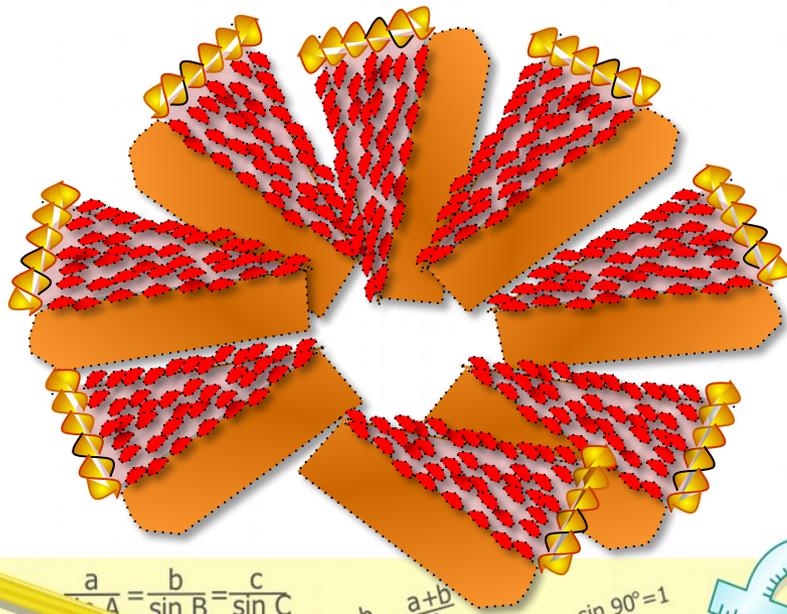
$$(x+y)(x-y) = x^2 - y^2$$



- 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

Пирог разрезали на 8 долей.
На тарелку положили 3 доли

$$\frac{3}{8}$$



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

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

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

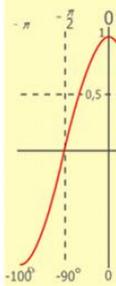
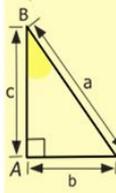
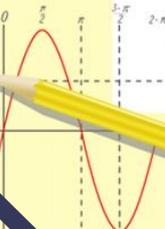
$$\begin{cases} y = \sin 90^\circ \\ x = 25y + 45 \end{cases}$$

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

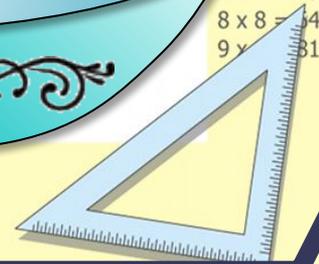
$$(x+y)(x-y) = x^2 - y^2$$

$$y = 1/x$$

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



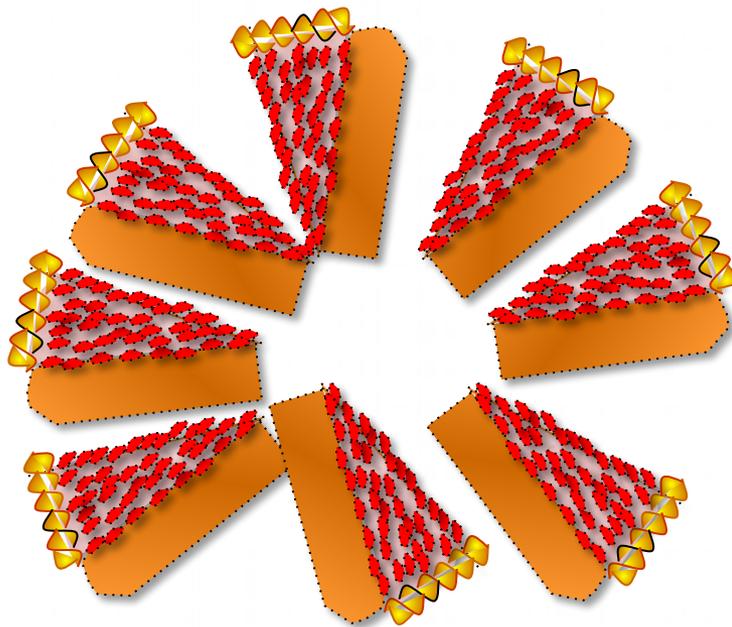
$$\begin{array}{l} 2 \times 2 = 4 \\ 3 \times 3 = 9 \\ 4 \times 4 = 16 \\ 5 \times 5 = 25 \\ 6 \times 6 = 36 \\ 7 \times 7 = 49 \\ 8 \times 8 = 64 \\ 9 \times 9 = 81 \end{array}$$



Пирог разрезали на 8 долей.
 На тарелку положили 8 долей



$$\frac{8}{8} = 1$$



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

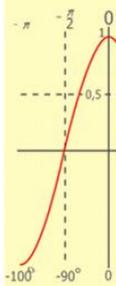
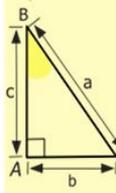
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

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

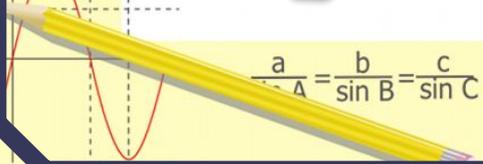
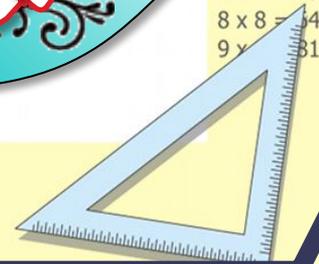
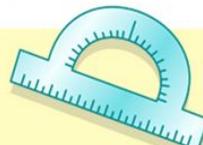
$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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

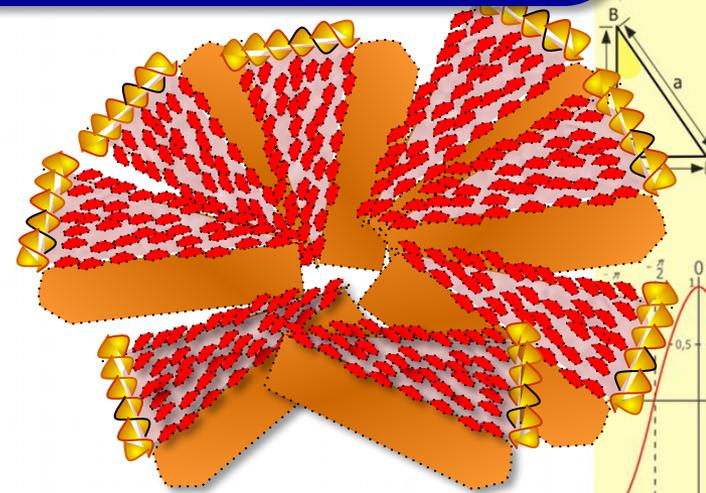
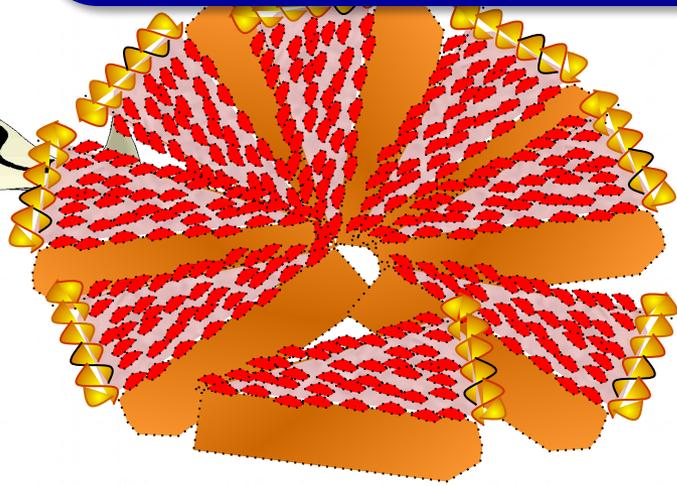
$$(x+y)(x-y) = x^2 - y^2$$



- 2 = 4
- 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



Возьмем два пирога.
Разрежем каждый на 8 долей.
Положим на блюдо 11 таких долей!



80° 50°
 $y = 1 /$
11
 $\begin{array}{r} 1\ 2\ 5\ 00 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 105\ 000 \end{array}$
8

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

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



Дробь, в которой числитель меньше знаменателя, называют **правильной** дробью.

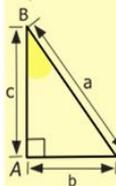
Дробь, в которой числитель равен знаменателю, называют **неправильной** дробью.

Дробь, в которой числитель больше знаменателя, называют **неправильной** дробью.

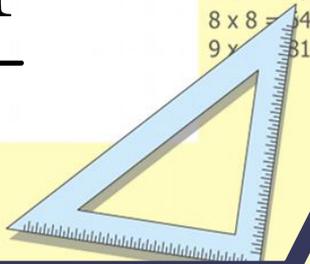
$$\frac{3}{8}$$

$$\frac{8}{8}$$

$$\frac{11}{8}$$



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



ДРОБЬ ПРАВИЛЬНАЯ

ДРОБЬ НЕПРАВИЛЬНАЯ

3

4

числитель

меньше

знаменателя

4

4

числитель

равен

знаменателю

5

4

числитель

больше

знаменателя

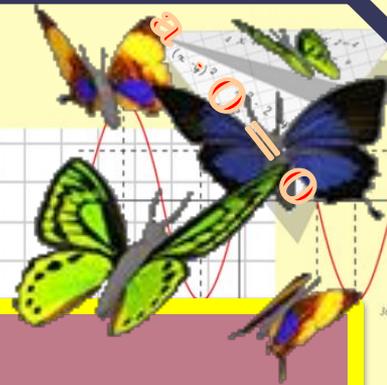
$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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

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

7 x 7 = 49
8 x 8 = 64
9 x 9 = 81

26.11.2014 а



Тема урока: Правильные и неправильные дроби.

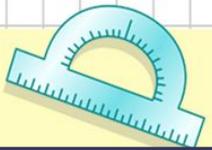
1 2 3 4 5



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

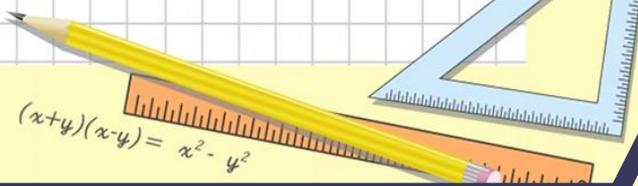


$$\sin 90^\circ = 1$$



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

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



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

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

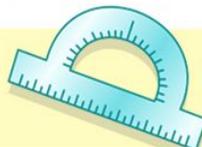
Решаем

стр. 13 № 1-4



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

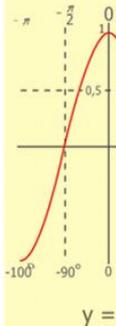
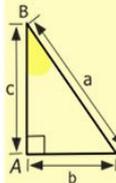
$$\sin 90^\circ = 1$$



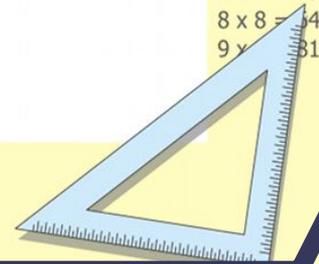
$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

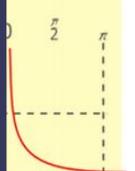
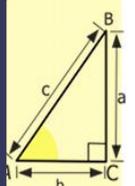
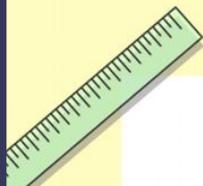
$$\begin{cases} y = 1 \\ x = 25 + 45 \end{cases}$$

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



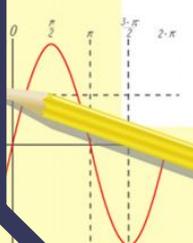
- $2 \times 2 = 4$
- $3 \times 3 = 9$
- $4 \times 4 = 16$
- $5 \times 5 = 25$
- $6 \times 6 = 36$
- $7 \times 7 = 49$
- $8 \times 8 = 64$
- $9 \times 9 = 81$





$80^\circ \quad 160^\circ$
 $y = 1/x$

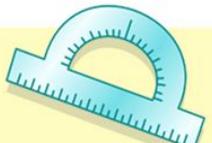
$$\begin{array}{r} 2500 \\ \times 42 \\ \hline 2100 \\ + 840 \\ \hline 105000 \end{array}$$



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

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

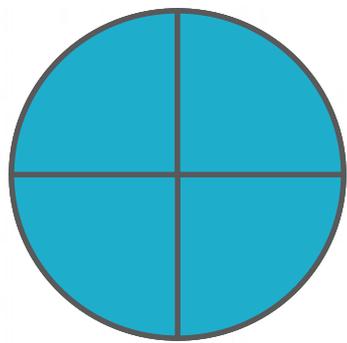
$\sin 90^\circ = 1$



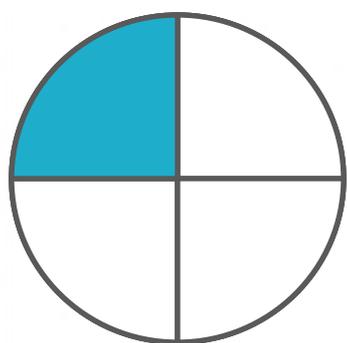
$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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

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



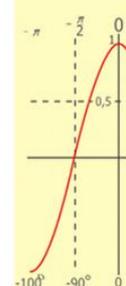
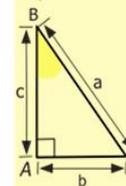
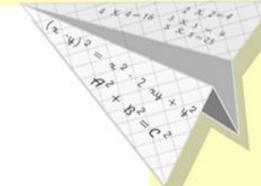
?



$$\frac{5}{4} = \frac{4}{4} + \frac{1}{4}$$

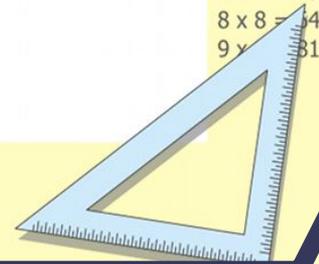
$$1 = \frac{4}{4}$$

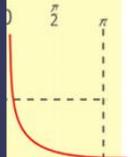
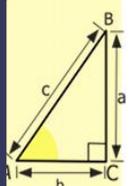
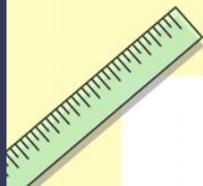
$$2 = \frac{8}{4}$$



$y = \sin$

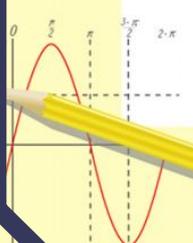
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- $6 \times 6 = 36$
- $7 \times 7 = 49$
- $8 \times 8 = 64$
- $9 \times 9 = 81$





$y = 1/x$

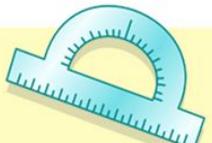
$$\begin{array}{r} 1 \\ \times 2500 \\ \hline 2500 \\ + 42 \\ \hline 210 \\ + 84 \\ \hline 105000 \end{array}$$



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

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

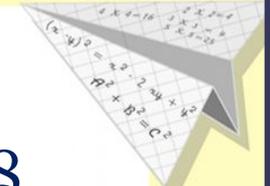
$\sin 90^\circ = 1$



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

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

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



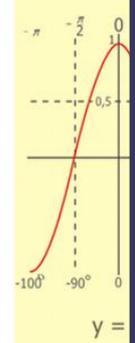
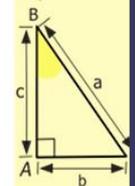
$$= \frac{4}{6}$$

$$= \frac{6}{6} = 1$$

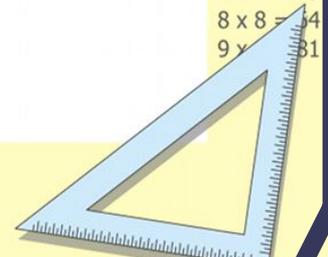
$$= \frac{5}{6}$$

$$= \frac{12}{6} = 2$$

$$= \frac{17}{6}$$



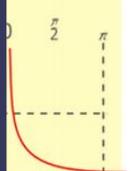
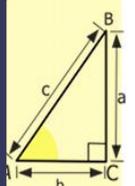
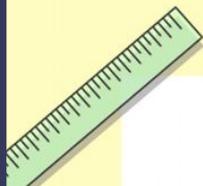
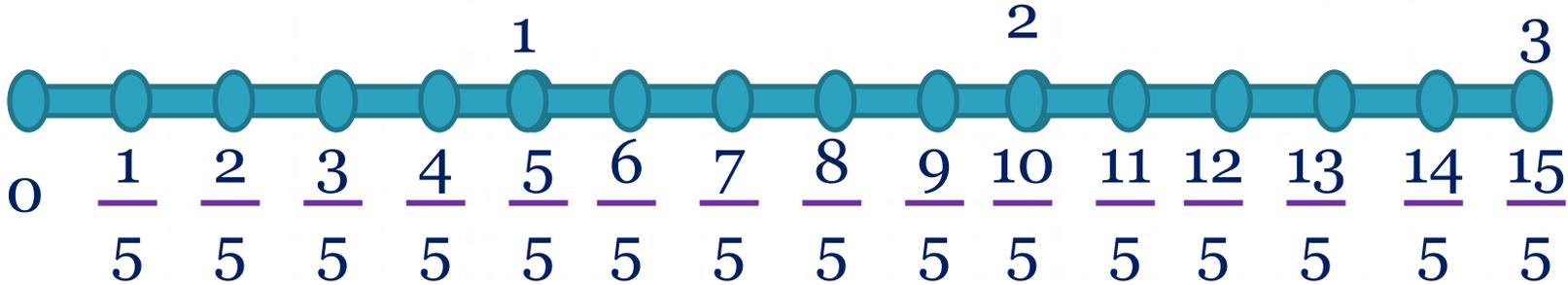
- $2 \times 2 = 4$
- $3 \times 3 = 9$
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- $7 \times 7 = 49$
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меньшие 1

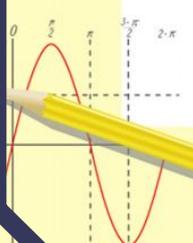
большие 1

равные 1



$y = 1/x$

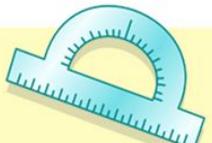
$$\begin{array}{r} 1 \\ 2500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 10500 \end{array}$$



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

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

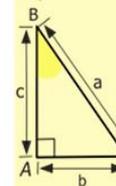
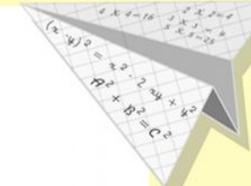
$$\sin 90^\circ = 1$$



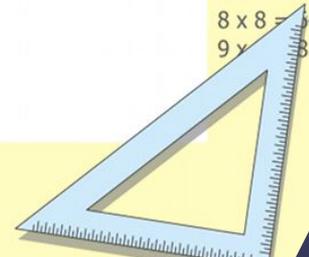
$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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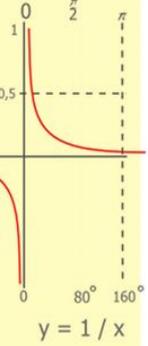
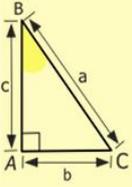
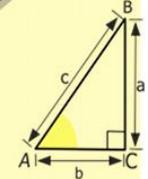
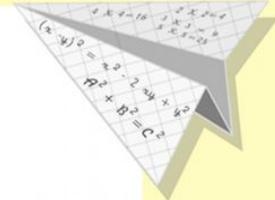
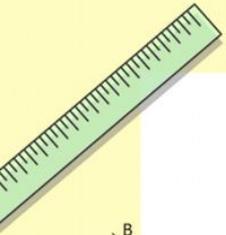
ВВОДНАЯ ЧАСТЬ

W

главная мысль

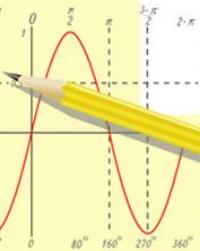
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ПРИМЕРЫ



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

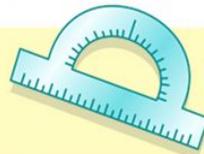
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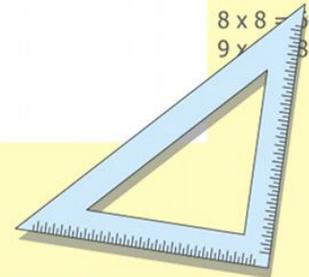
$$\sin 90^\circ = 1$$



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

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

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



Физкультминутка

Согласны - хлопок над головой, не согласны – присели.

$\frac{4}{5}$ — правильная дробь

$\frac{3}{4}$ — неправильная дробь

$\frac{12}{7} < 1$

$\frac{7}{7} < 1$

$\frac{2}{7} < \frac{5}{7}$

$\frac{3}{7} > 1$

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

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

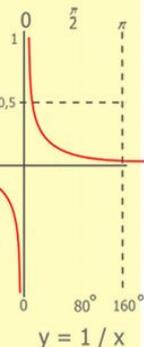
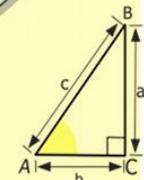
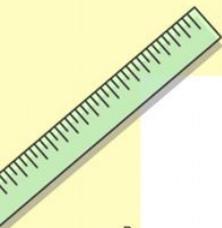
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$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

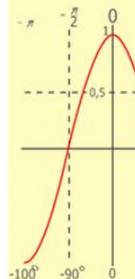
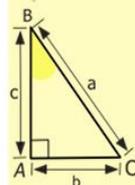
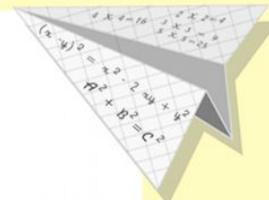
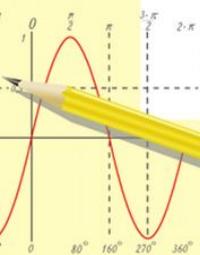
$$\begin{cases} y = 1 \\ x = 25 + 45 \end{cases}$$

$$x = 70$$

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

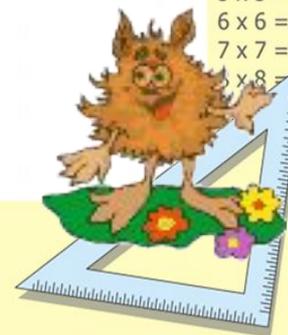


$$\begin{array}{r} 1 \\ 2500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 10500 \end{array}$$

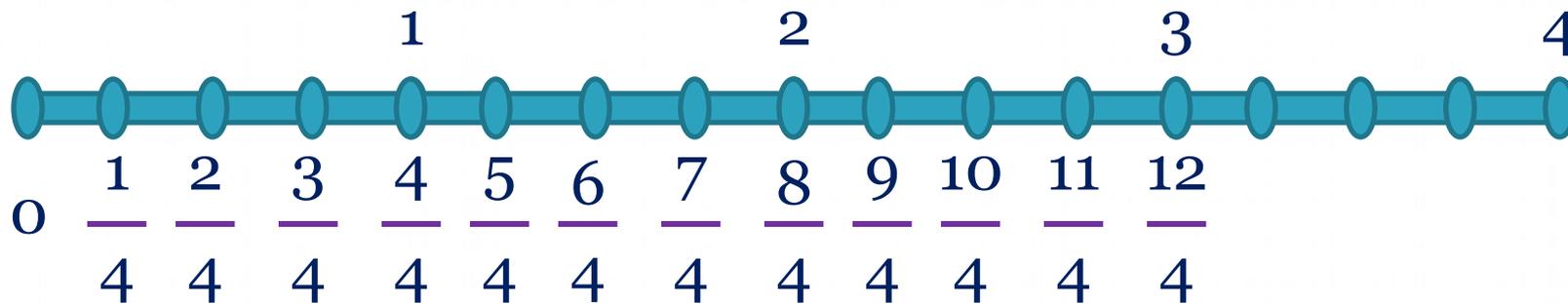
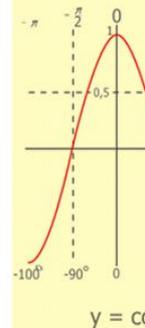
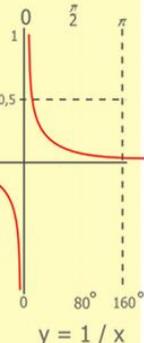
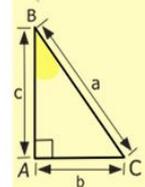
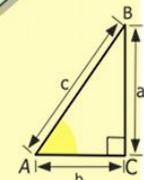
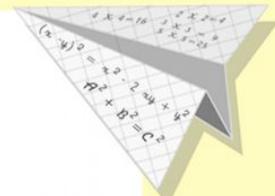
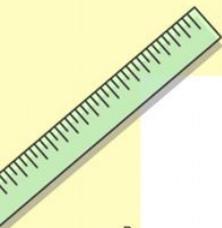


y = cos

- 2 x 2 = 4
- 3 x 3 = 9
- 4 x 4 = 16
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- 6 x 6 = 36
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- 8 x 8 = 64
- 9 x 9 = 81

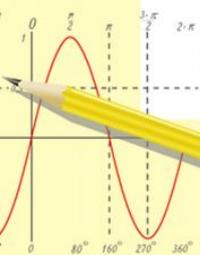


стр.14 № 5



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

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

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

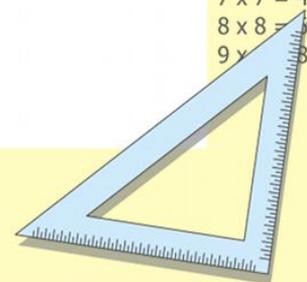
$$\sin 90^\circ = 1$$



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

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

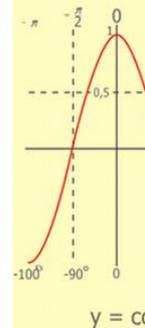
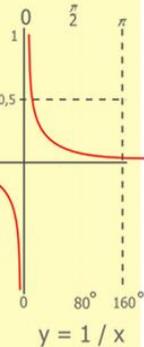
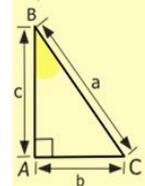
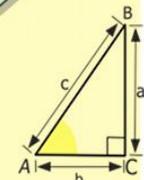
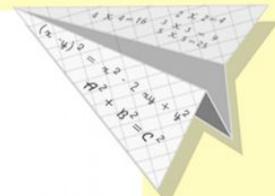
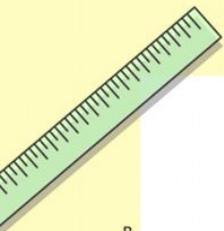
$$(x+y)(x-y) = x^2 - y^2$$



$$A = \left\{ \frac{3}{14}, \frac{28}{5}, \frac{16}{16}, \frac{7}{29}, \frac{32}{11}, \frac{48}{48} \right\}$$

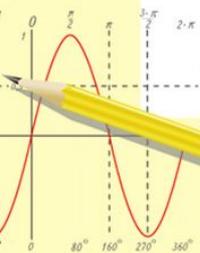
В – правильные дроби

С – неправильные дроби



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

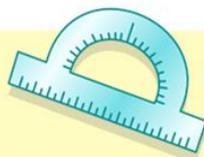
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$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

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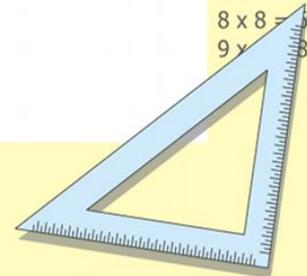
$$\sin 90^\circ = 1$$



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

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

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



$$\frac{4}{11} + \frac{5}{11} = \frac{9}{11}$$

$$\frac{9}{13} - \frac{6}{13} = \frac{3}{13}$$

$$\frac{1}{7} + \frac{7}{7} = \frac{8}{7}$$

$$\frac{11}{6} - \frac{5}{6} = \frac{6}{6} = 1$$

$$\frac{5}{8} + \frac{7}{8} = \frac{12}{8}$$

$$\frac{10}{10} - \frac{7}{10} = \frac{3}{10}$$

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

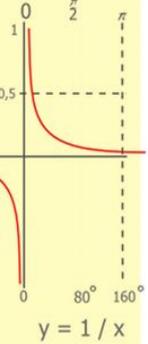
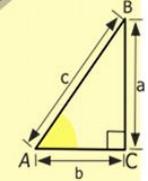
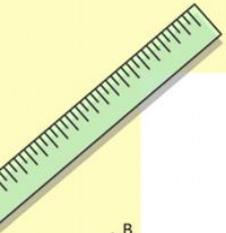
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$$\sin 90^\circ = 1$$

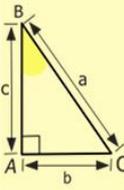
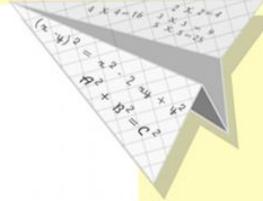
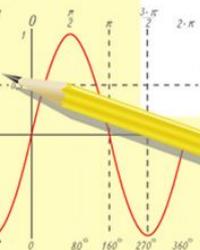
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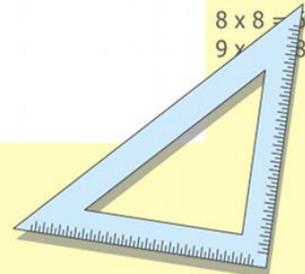
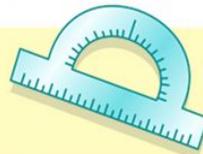


$$\begin{array}{r} 2500 \\ \times 42 \\ \hline 2100 \\ + 8400 \\ \hline 105000 \end{array}$$

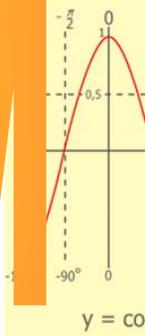
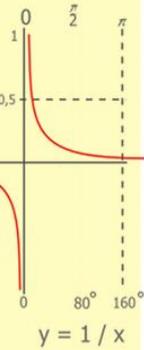
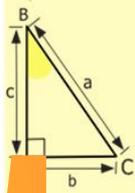
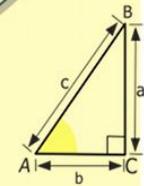
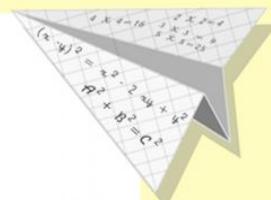
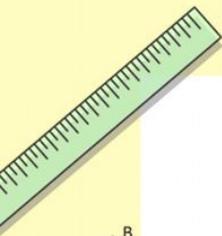


$$y = \cos$$

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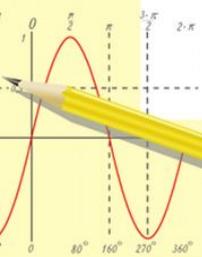


Страницки истории



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

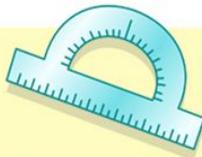
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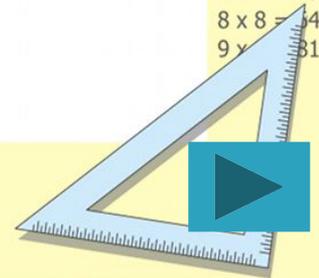
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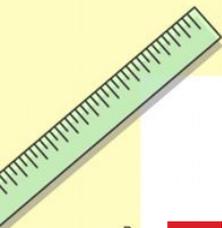


$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

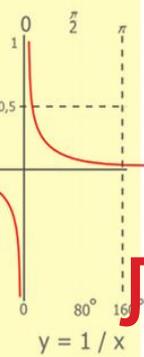
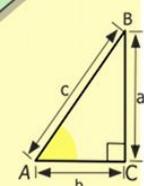
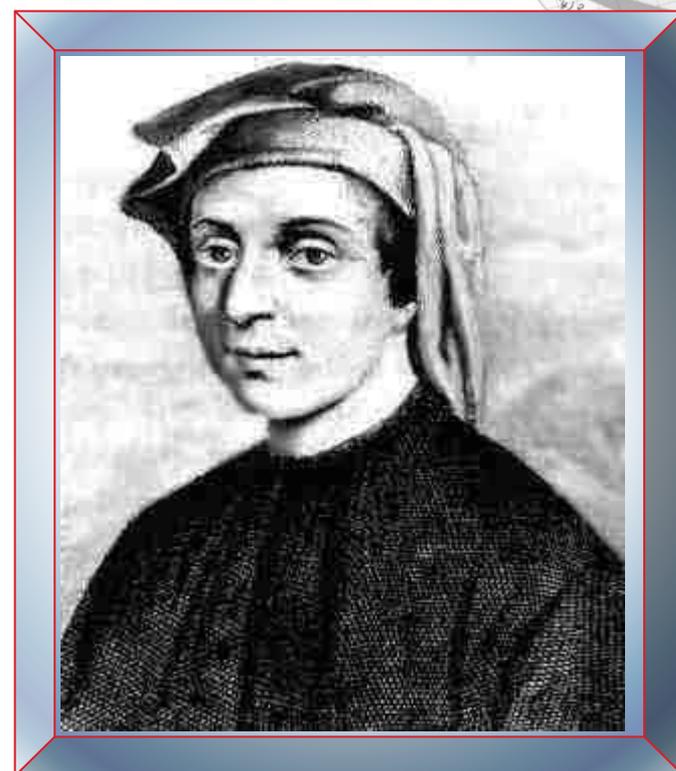
$$\begin{cases} y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$

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

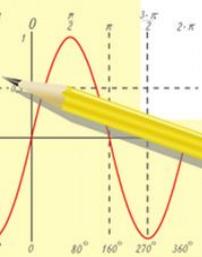




Первым дробную
черту ввёл
 итальянский
 математик
 Леонардо Пизанский
 (Фибоначчи)
 в 1202 году



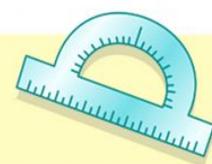
$$\begin{array}{r} 2500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 105000 \end{array}$$



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

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

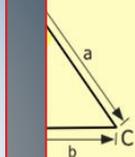
$$\sin 90^\circ = 1$$



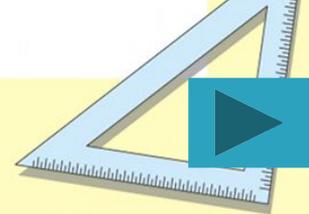
$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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

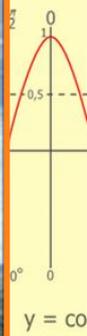
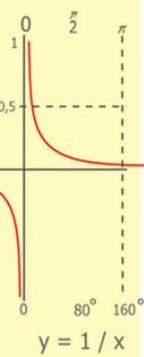
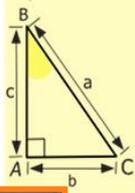
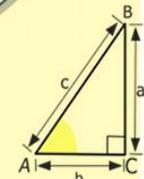
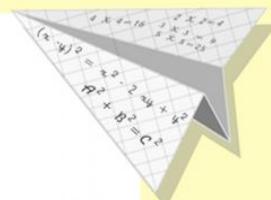
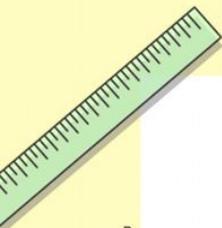
$$(x+y)(x-y) = x^2 - y^2$$



- 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



Изображение дробей в Древнем Египте



$$= \frac{1}{2}$$



$$= \frac{1}{3}$$



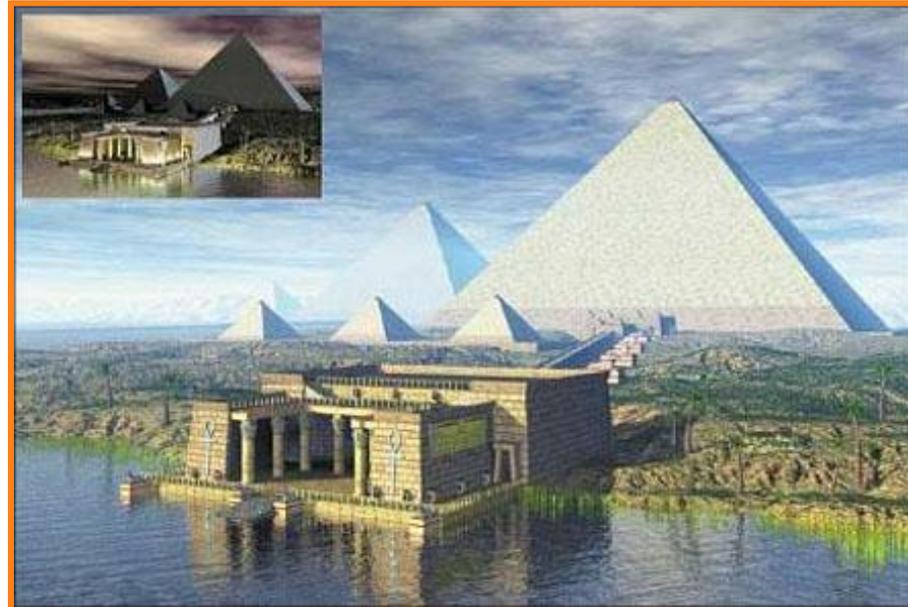
$$= \frac{2}{3}$$



$$= \frac{1}{6}$$

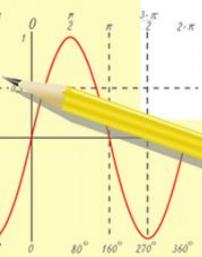


$\sin \dots = 1$



$$\begin{array}{r} 1\ 2\ 5\ 00 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 105\ 000 \end{array}$$

- = 4
- = 9
- = 16
- = 25
- = 36
- = 49
- = 64
- = 81



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

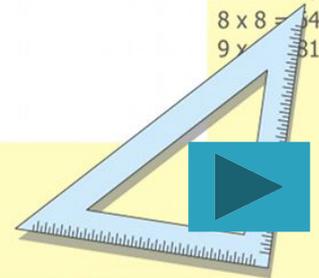
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$



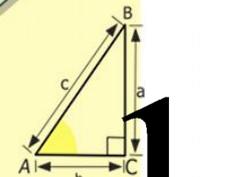
$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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

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



В Древнем Китае вместо черты использовали точку:



1

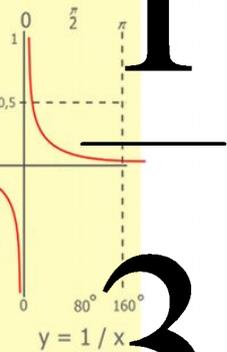
1

=

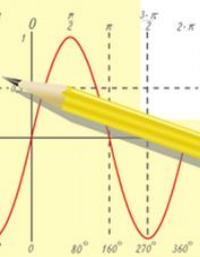
●

3

3

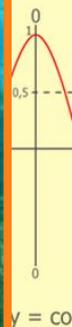
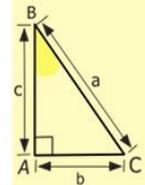


$\frac{1}{2500}$
 $\times 42$
 $\frac{210}{84}$
 $\frac{105000}{}$



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

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



$y = \cos$
4
9
16
25
36
49
64
81



В старых записях найдены такие названия дробей:

$\frac{1}{2}$ — Половина,

$\frac{1}{4}$ — полтина

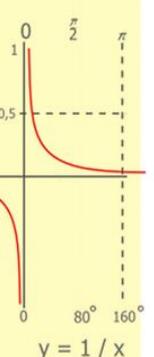
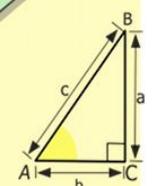
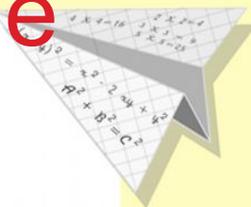
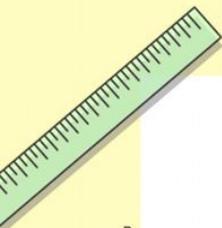
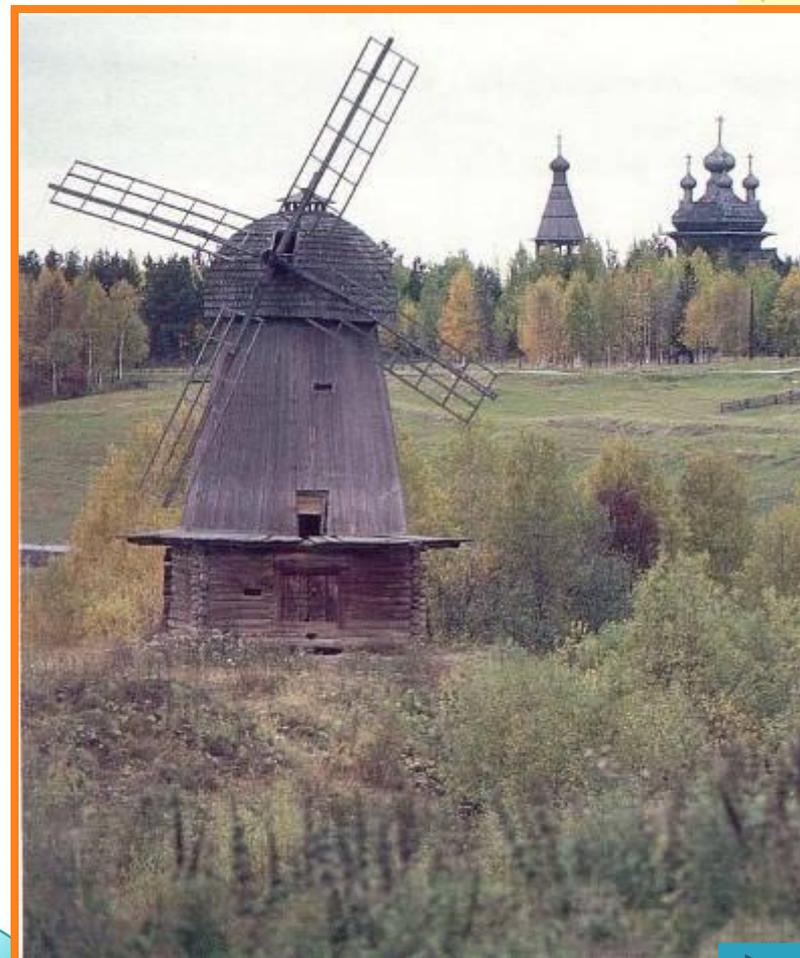
$\frac{1}{8}$ — Четь

$\frac{1}{3}$ — Треть

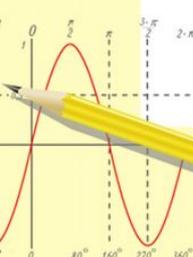
$\frac{1}{6}$ — Полчеть

$\frac{1}{8}$ — Полтреть

$\frac{1}{6}$



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



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

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

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



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

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

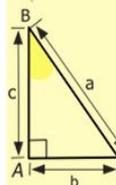
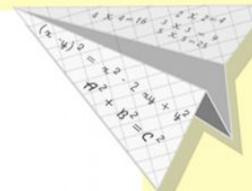




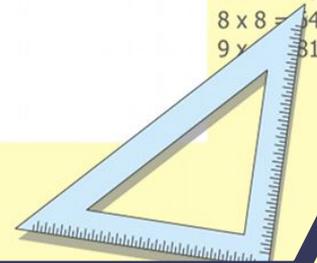
Дробь, в которой числитель меньше знаменателя, называют **правильной** дробью.

Дробь, в которой числитель равен знаменателю, называют **неправильной** дробью.

Дробь, в которой числитель больше знаменателя, называют **неправильной** дробью.



$2 \times 2 =$	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



СИНКВЕЙН

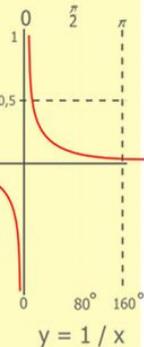
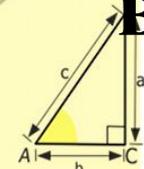
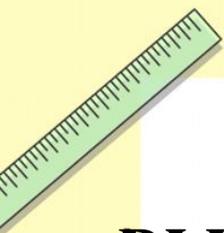
1 строка – одно существительное, выражающее главную тему синквейна.

2 строка – два прилагательных, выражающих главную мысль.

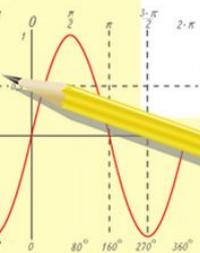
3 строка – три глагола, описывающие действия в рамках темы.

4 строка – фраза, несущая определенный смысл.

5 строка – заключение в форме существительного (ассоциация с первым словом).



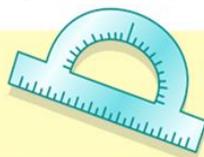
$$\begin{array}{r} 1\ 2\ 5\ 00 \\ \times 4\ 2 \\ \hline 21\ 0 \\ + 84 \\ \hline 105\ 0\ 00 \end{array}$$



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

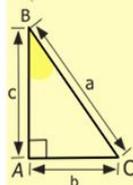
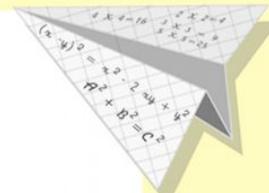
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

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



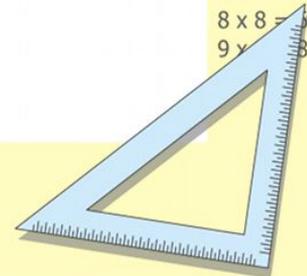
$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \\ y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$

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

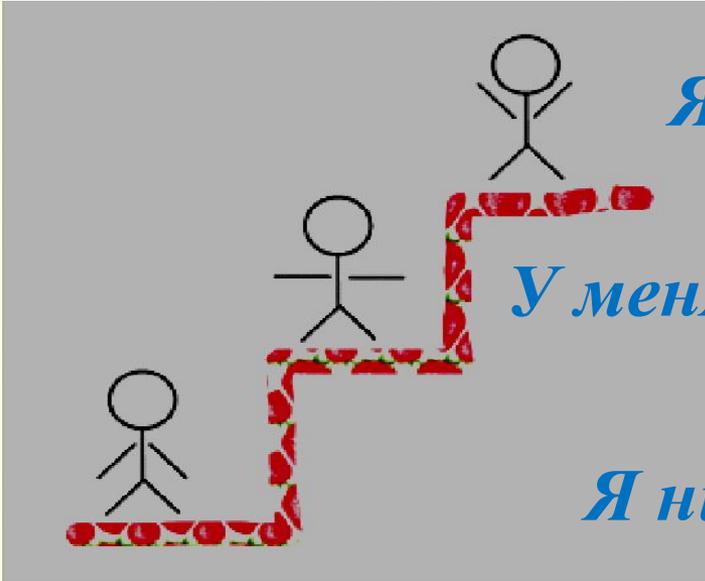
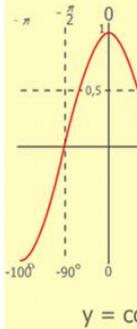
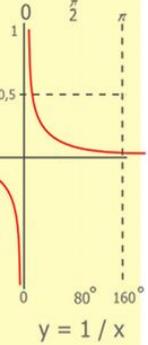
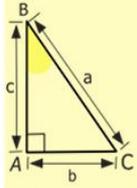
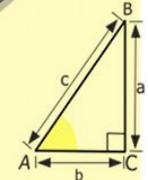
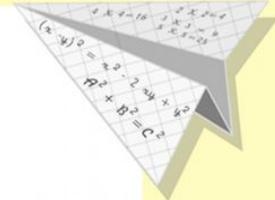
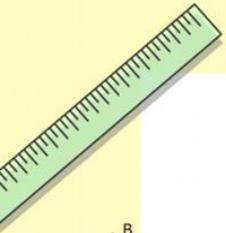


$$y = \cos$$

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



Лестница успеха



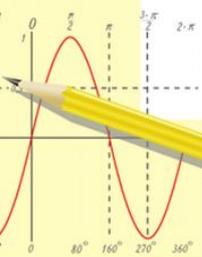
Я все понял, все получилось

У меня получилось, но не все

Я ничего не понял

$$\begin{array}{r} 1\ 2\ 5\ 00 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 105\ 000 \end{array}$$

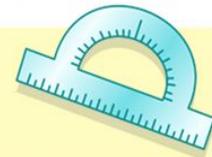
- 2 x 2 = 4
- 3 x 3 = 9
- 4 x 4 = 16
- 5 x 5 = 25
- 6 x 6 = 36
- 7 x 7 = 49
- 8 x 8 = 64
- 9 x 9 = 81



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

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

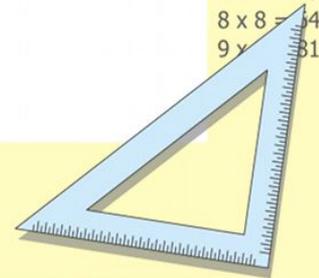
$$\sin 90^\circ = 1$$



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

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

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

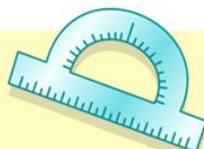


Домашнее задание

стр.14 учить
№3, №11, №12



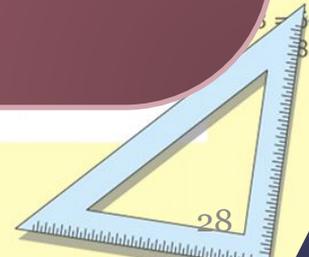
$\sin 90^\circ = 1$



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

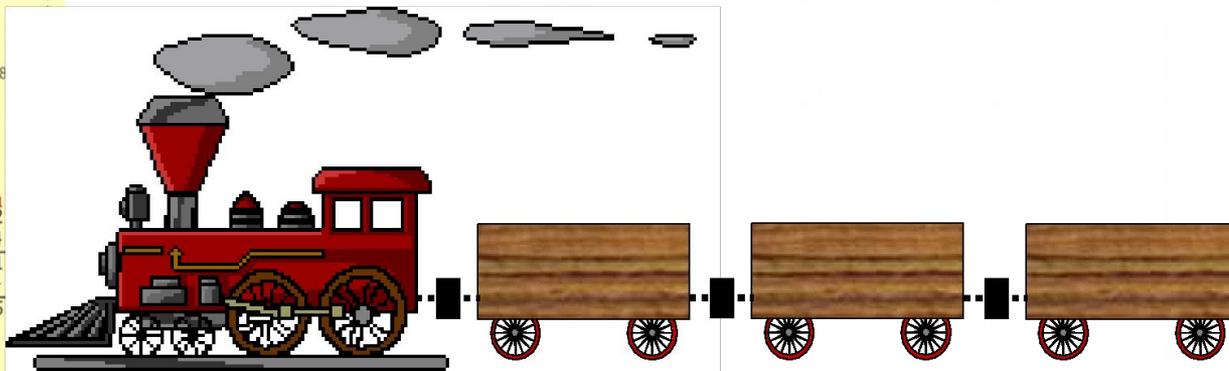
$$\begin{cases} y = 1 \\ x = 25 + 45 \end{cases}$$

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



$$\frac{9}{9}; \frac{3}{5}; \frac{18}{18}; \frac{13}{12}; \frac{3}{2}; \frac{1}{2}; \frac{3}{8}; \frac{8}{3}; \frac{4}{11}; \frac{5}{2}; \frac{14}{21}; \frac{30}{2}$$

$$\frac{31}{52}; \frac{195}{99}; \frac{33}{55}; \frac{7}{4}$$

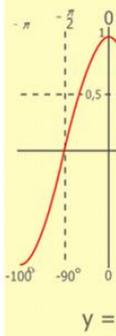
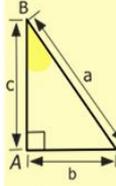


Загрузим в поезд **неправильные** дроби.

$\frac{13}{12}$; $\frac{3}{5}$; $\frac{8}{3}$; $\frac{18}{18}$; $\frac{9}{9}$; $\frac{1}{2}$; $\frac{3}{8}$; $\frac{5}{2}$; $\frac{4}{11}$; $\frac{3}{2}$; $\frac{14}{21}$; $\frac{30}{2}$



$y = 1/x$
 80° 160°
 $\frac{1}{2} 500$
 $\times 42$
 $\hline 210$
 $+ 84$
 $\hline 105000$



- 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

Загрузим в грузовик **правильные** дроби.

