

1/6

2/3

Ровно встали, тихо
сели

Головами повертели.

Очень сладко

потянулись

И друг другу

улыбнулись.

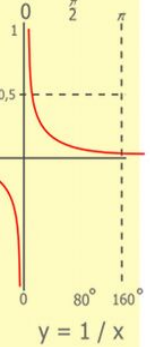
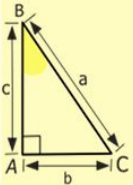
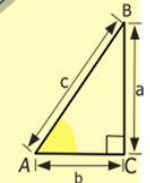
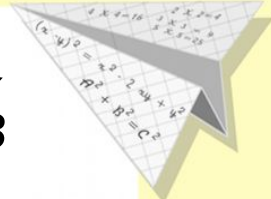
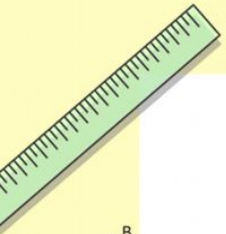
Прозвенел сейчас

звонок,

Начинается урок.

3/5

7/8



- 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

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

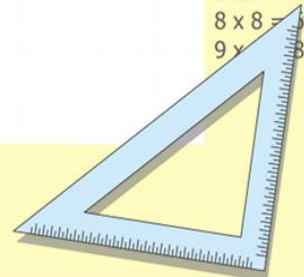
$$\frac{a+b}{c} = \frac{a+b}{c}$$

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

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

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

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



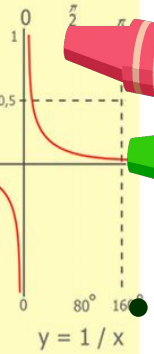
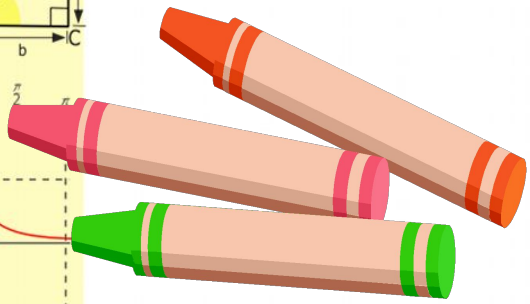
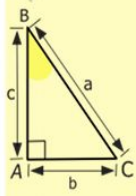
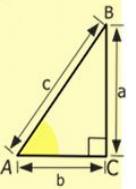
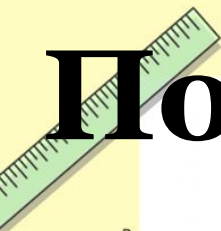
Повтори:

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 частей взято, называется числитель.



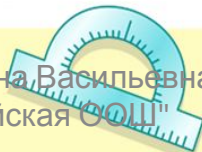
$$\begin{array}{r} 1 \\ 2500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 10500 \end{array}$$

$$\begin{array}{l} 2 \times 2 = 4 \\ 3 \times 3 = 9 \\ 4 \times 4 = 16 \\ 15 \\ 16 \\ 19 \\ 14 \\ 11 \end{array}$$

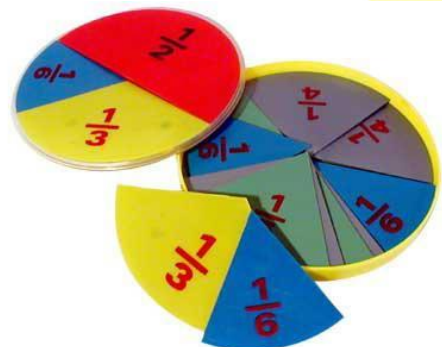


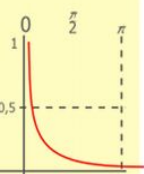
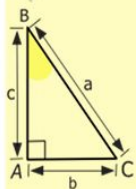
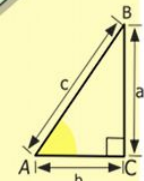
$$\frac{a}{A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

Миченкова Светлана Васильевна
МБОУ "Первомайская СОШ"



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





$\frac{3}{5}$ $\frac{1}{7}$ $\frac{6}{6}$ $\frac{11}{19}$ $\frac{9}{8}$ $\frac{5}{4}$ $\frac{23}{19}$

$\frac{3}{5}$ $\frac{1}{7}$ $\frac{11}{19}$
 $\frac{5}{7}$ $\frac{19}{19}$

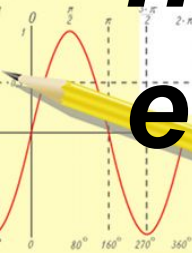
неправильные

$\frac{6}{6}$ $\frac{9}{8}$ $\frac{5}{4}$ $\frac{23}{19}$

правильны

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

$2 \times 2 = 4$
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 $6 \times 6 = 36$
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 $8 \times 8 = 64$
 $9 \times 9 = 81$



е

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

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

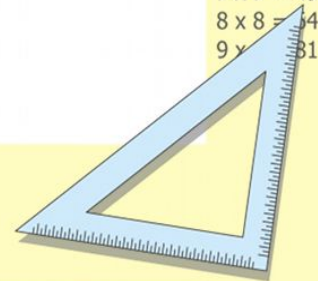
$$\sin 90^\circ = 1$$



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

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

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



01.02.

Классная

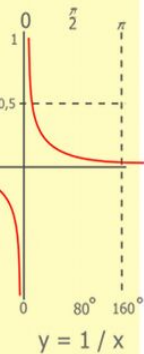
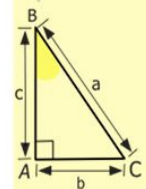
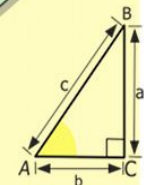
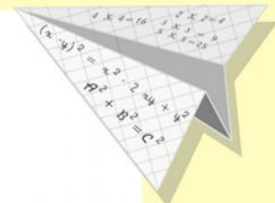
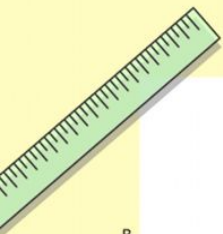
**Правильные и неправильные
работы дроби.**

Задачи:

- познакомиться с правильными и неправильными дробями;
- дать их определение.



Открываем учебник на стр. 180, 181,
 читаем и отвечаем
 на вопросы 1 – 3 на стр. 183.



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

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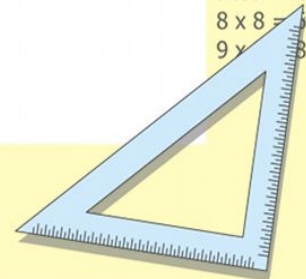
$$\sin 90^\circ = 1$$



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



Дан ряд дробей:

$$\frac{3}{4} \quad \frac{1}{2} \quad \frac{31}{100} \quad \frac{13}{18} \quad \boxed{\frac{49}{34}} \quad \frac{111}{205}$$

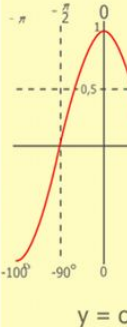
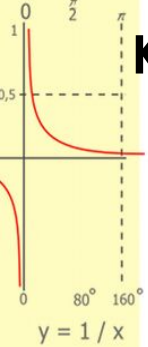
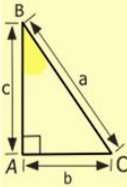
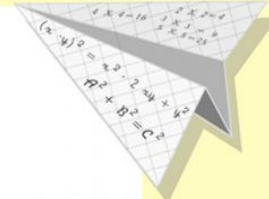
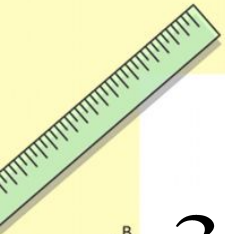
Какая из дробей лишняя? Почему?

Числитель больше знаменателя

$$\frac{5}{14} \quad \frac{1}{7} \quad \frac{29}{50} \quad \frac{13}{17} \quad \frac{101}{523} \quad \boxed{\frac{12}{12}}$$

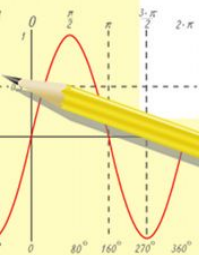
Какая из дробей лишняя? Почему?

Числитель равен знаменателю



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

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

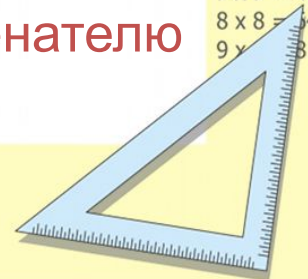
$$\sin 90^\circ = 1$$



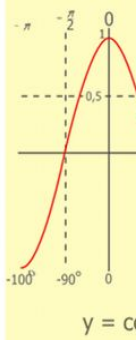
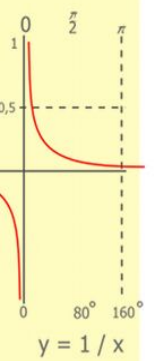
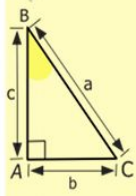
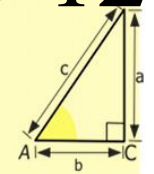
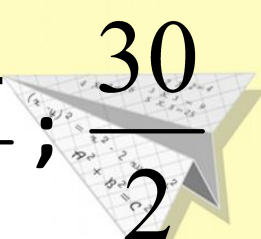
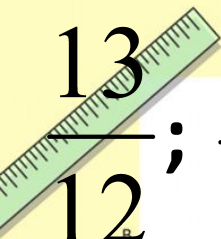
$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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

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



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



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

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 $4 \times 4 = 16$
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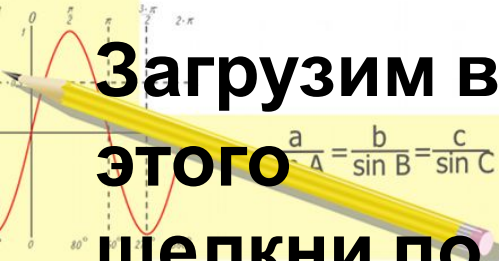


Загрузим в грузовик правильные дроби, для

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

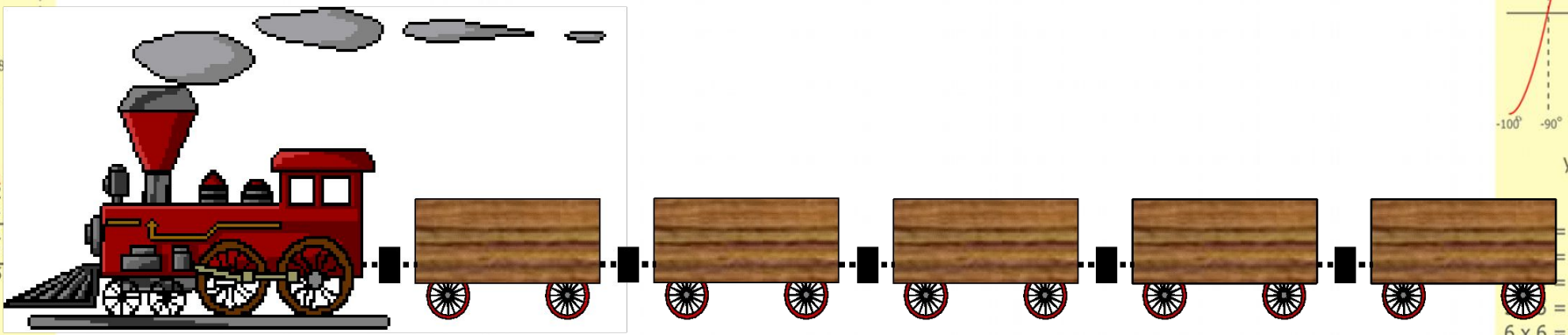
$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$

щелкни по ним мышкой



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

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



Загрузим в поезд неправильные дроби, для

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

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

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

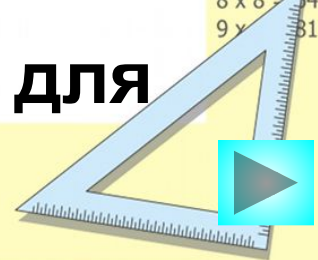
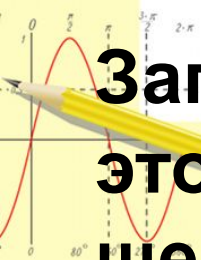
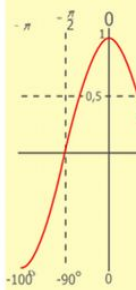
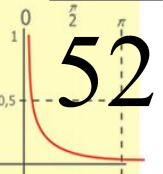
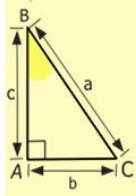
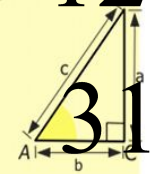
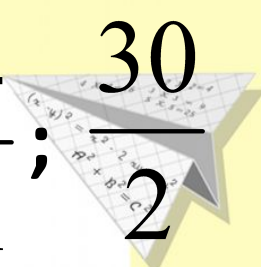
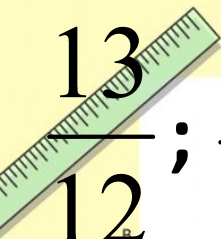
$$x = 25y + 45$$

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

$$x = 70$$

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

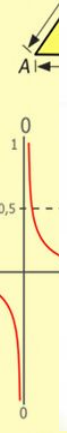
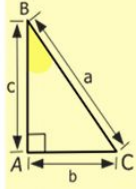
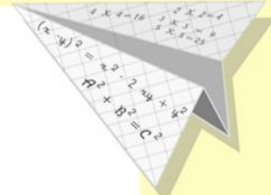
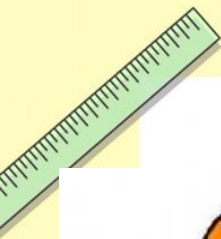
шепкни по ним мышкой



Работа по учебнику



№№ 719, 721,
729, 731



$y = 1/x$

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



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

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

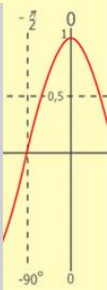
$\sin 90^\circ = 1$



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

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

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



$y = \cos$

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





Физминутка



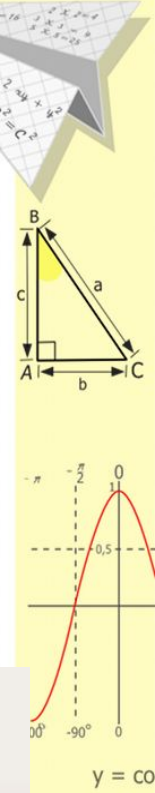
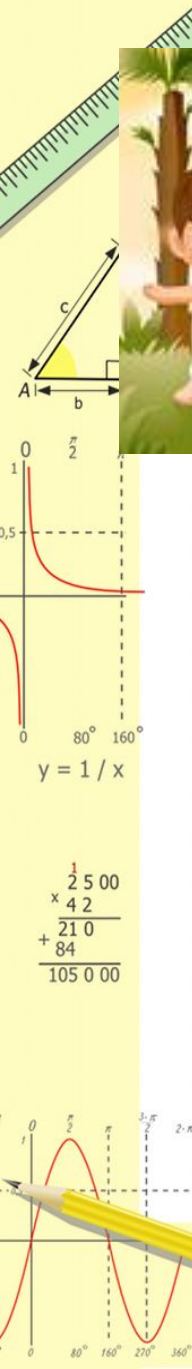
$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

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

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

$$\frac{x=25+45}{x=70}$$

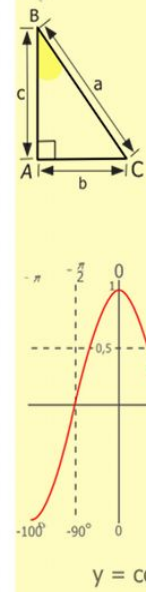
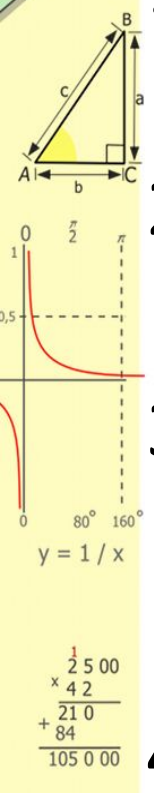
$$y = x^2 - y^2$$



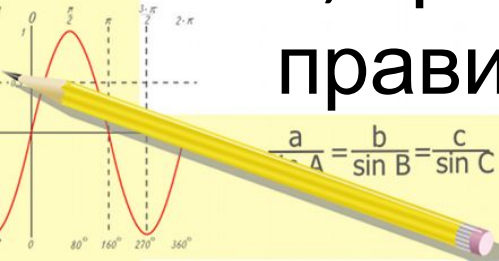
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Работаем самостоятельно

1. Запишите все правильные дроби со знаменателем 10.
2. Запишите все неправильные дроби с числителем 10.
3. Найдите все натуральные значения a , при которых дробь $\frac{8}{a}$ будет неправильной.
4. Найдите все натуральные значения a , при которых дробь $\frac{a}{11}$ будет правильной.



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

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

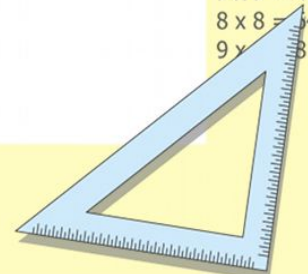
$$\sin 90^\circ = 1$$



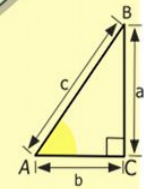
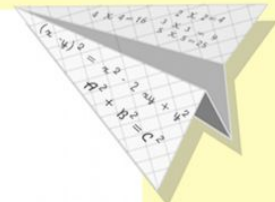
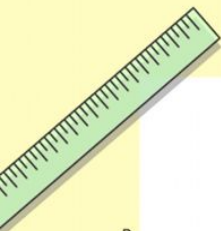
$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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

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



Проверьте ответы



1.

$$\frac{1}{10}, \frac{2}{10}, \frac{3}{10}, \frac{4}{10}, \frac{5}{10}, \frac{6}{10}, \frac{7}{10}, \frac{8}{10}, \frac{9}{10}$$



2.

$$\frac{10}{1}, \frac{10}{2}, \frac{10}{3}, \frac{10}{4}, \frac{10}{5}, \frac{10}{6}, \frac{10}{7}, \frac{10}{8}, \frac{10}{9}, \frac{10}{10}$$

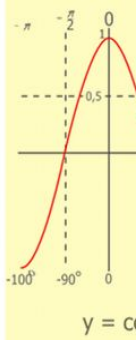
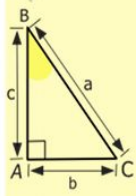
3.

$\frac{8}{a}$ – неправильная,
если $a = 1; 2; 3; 4; 5; 6; 7; 8$.

4.

$\frac{a}{11}$ – правильная,
если $a = 1; 2; 3; 4; 5; 6; 7; 8; 9; 10$.

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



- 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



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

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

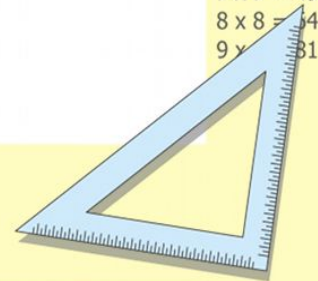
$$\sin 90^\circ = 1$$



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

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

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

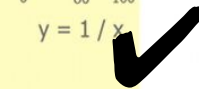
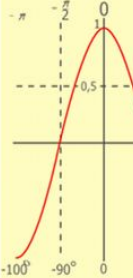
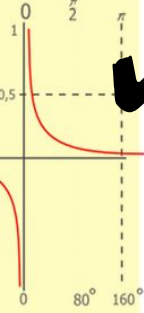
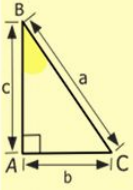
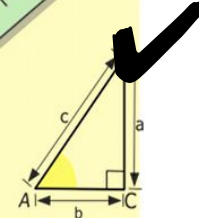
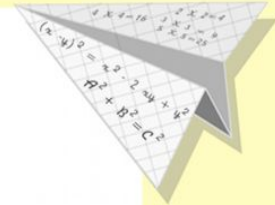
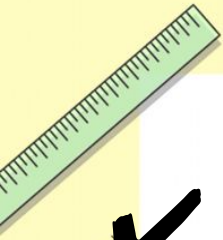


Оцените свою работу

✓ «5» - если все 4 задания выполнены правильно;

✓ «4» - если 3 задания выполнены правильно;

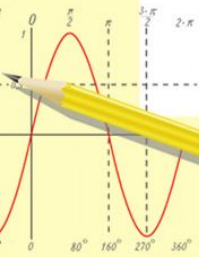
✓ «3» - если 2 задания выполнены правильно.



y = cos

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

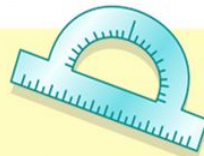
- 2 x 2 = 4
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- 6 x 6 = 36
- 7 x 7 = 49
- 8 x 8 = 64
- 9 x 9 = 81



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

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

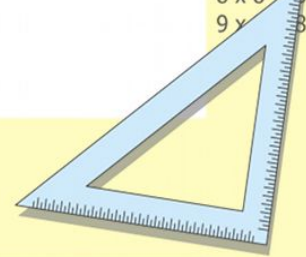
$$\sin 90^\circ = 1$$



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

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

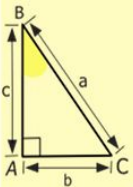
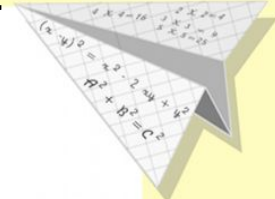
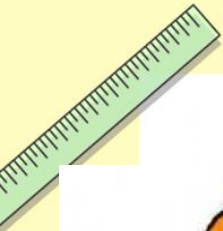
$$(x+y)(x-y) = x^2 - y^2$$



Работа по учебнику

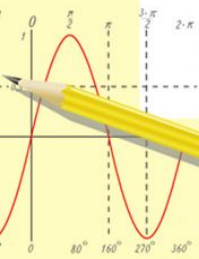


№ 729, 735
Повторение:
№ 740



$$y = 1/x$$

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



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

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

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



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

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

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

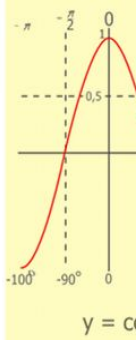
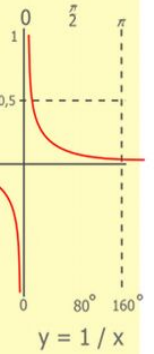
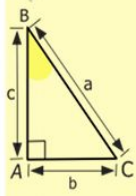
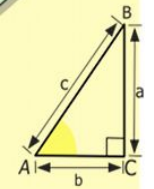
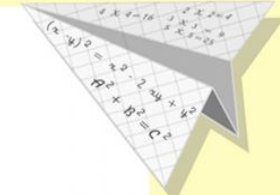
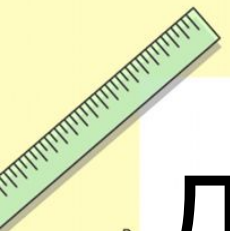


$$y = \cos$$

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



Домашнее задание: § 26. Вопросы: 1 – 3. № 720, 722, 730, 732.



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

- 2 x 2 = 4
- 3 x 3 = 9
- 4 x 4 = 16
- 5 x 5 = 25
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$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

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



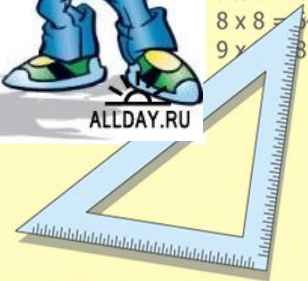
$$\begin{cases} y = \\ x = 25y + 45 \end{cases}$$

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

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



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Притча

Шел мудрец, а навстречу ему три человека, которые везли под горячим солнцем тележки с камнями для строительства.

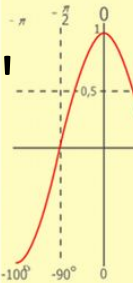
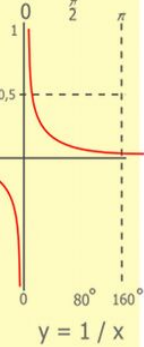
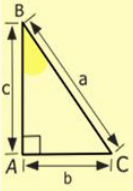
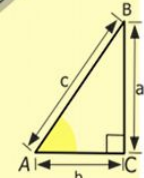
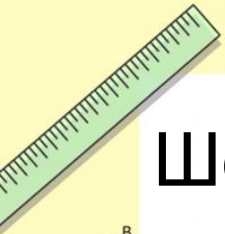
Мудрец остановился и задал каждому по вопросу.

У первого спросил: "Что ты делал целый день?"

И тот с ухмылкой ответил, что целый день возил проклятые камни.

У второго мудрец спросил: "А что ты делал целый день?", и тот ответил: "А я добросовестно выполнял свою работу".

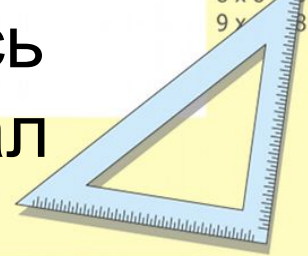
А третий улыбнулся, его лицо засветилось радостью и удовольствием: "А я принимал участие в строительстве Храма".



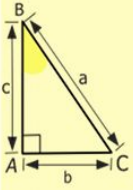
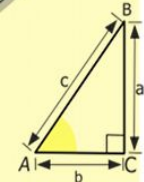
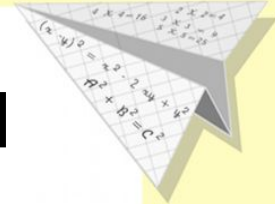
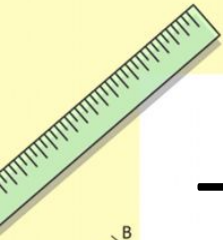
$$\begin{array}{r} 1 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 10500 \end{array}$$

$$y = \cos$$

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



- Кто работал так, как первый человек?
- Кто работал добросовестно?
- Кто принимал участие в строительстве храма?



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

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



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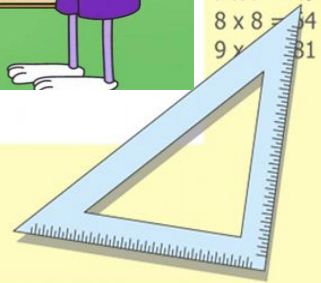
$$\sin 90^\circ = 1$$



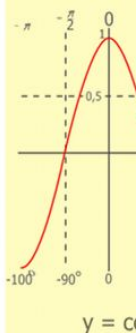
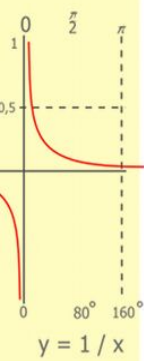
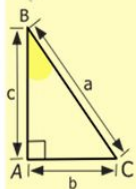
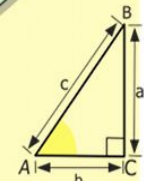
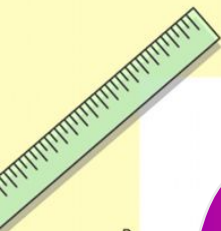
$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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



Спасибо за урок!



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

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

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

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

$$x = 70$$

