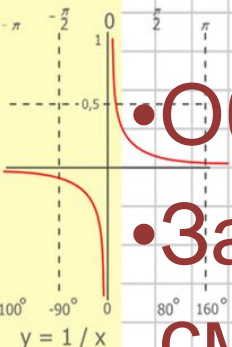
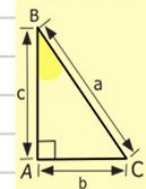
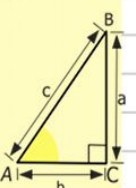
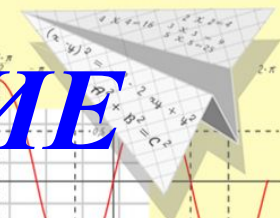
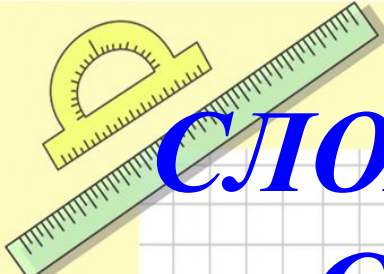


Математик

СЛОЖЕНИЕ И ВЫЧИТАНИЕ СМЕШАННЫХ ЧИСЕЛ

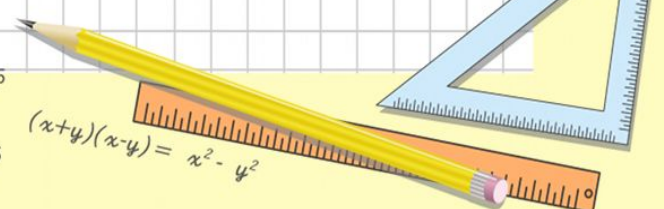
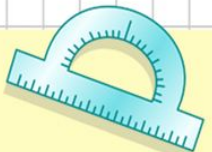
Цели урока:

- Обобщить знания по данной теме
- Закрепить навыки сложения и вычитания смешанных чисел
- Проконтролировать полученные навыки (тест)



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

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



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

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

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

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

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

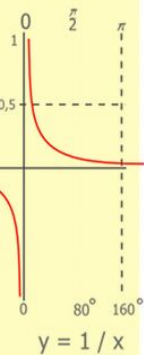
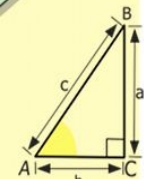
$$x = 70$$

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

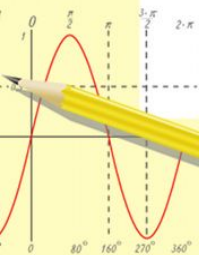
Сложение смешанных чисел

$$2\frac{3}{8} + 5\frac{4}{8} = 7\frac{7}{8}$$

$$1\frac{4}{7} + 3\frac{6}{7} = 4\frac{10}{7} = 5\frac{3}{7}$$



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



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

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

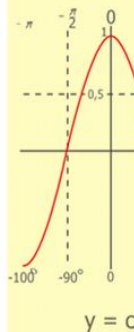
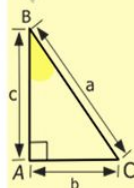
$$\sin 90^\circ = 1$$



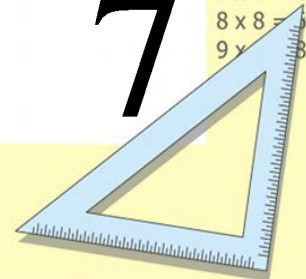
$$\begin{cases} y = \sin 90^\circ \\ x = 25y + 45 \end{cases}$$

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

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



- 2 x 2 = 4
- 3 x 3 = 9
- 4 x 4 = 16
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- 7 x 7 = 49
- 8 x 8 = 64
- 9 x 9 = 81



Вычитание смешанных чисел

$$8\frac{3}{5} - 6\frac{2}{5} =$$

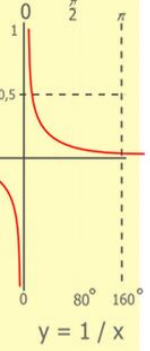
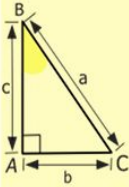
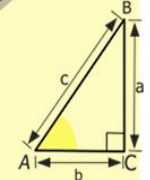
$$2\frac{1}{5}$$

$$8\frac{3}{7} - 3\frac{5}{7} =$$

$$4\frac{5}{7}$$

$$5 - 2\frac{2}{5} =$$

$$2\frac{3}{5}$$



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

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- 9 x 9 = 81

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

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

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

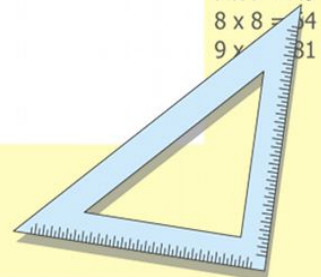


$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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

$$x = 70$$

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



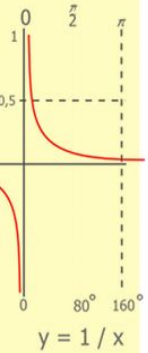
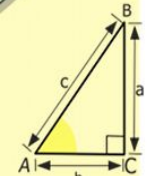
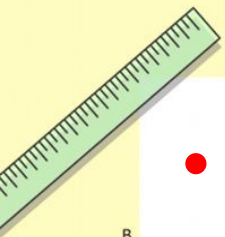
1. Выполните действие

• а

$$\left(9 - 2\frac{3}{11}\right) + \left(2 + 1\frac{9}{11}\right);$$

• б

$$28\frac{2}{21} - \left(14\frac{17}{21} + 11\frac{8}{21}\right).$$



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



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

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

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

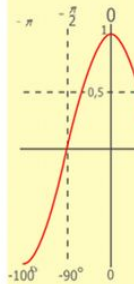
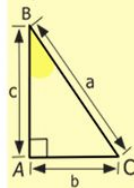
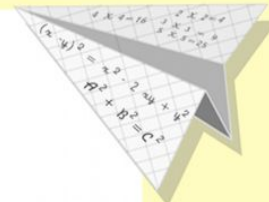


$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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

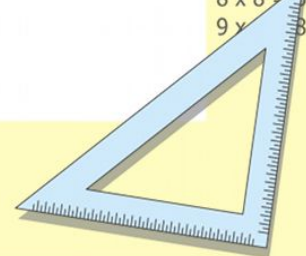
$$x = 70$$

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



$$y = \cos$$

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



2. На трёх участках общей

площадью 79 га вырастили горох.

Площадь

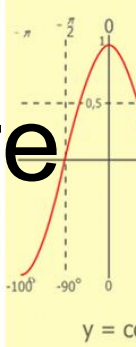
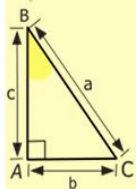
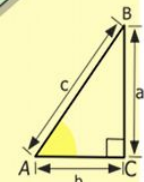
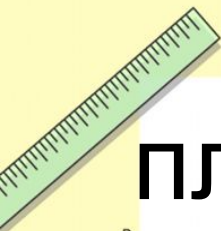
второго участка на $\frac{7}{25}$ га

меньше площади первого. Найдите

площадь третьего участка, если

площадь первого участка $\frac{18}{25}$

га.



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- $9 \times 9 = 81$



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

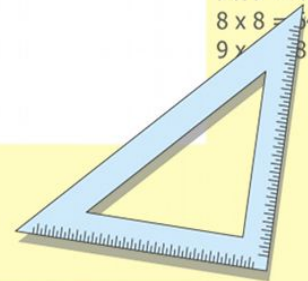
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

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



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

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



Отвeты к тесту

Вариант 1

Вариант 2

5) $5 \frac{7}{9}$

1) $5 \frac{4}{11}$

5) $9 \frac{11}{15}$

2) $2 \frac{9}{19}$

6) $11 \frac{5}{7}$

2) $8 \frac{1}{6}$

6) $7 \frac{5}{9}$

11) $11 \frac{11}{18}$

7) 7

3) $5 \frac{3}{8}$

7) 16

7) $7 \frac{7}{12}$

8) $6 \frac{2}{13}$

4) $4 \frac{4}{7}$

8) $10 \frac{1}{25}$

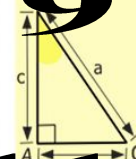
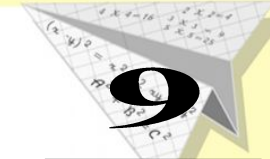
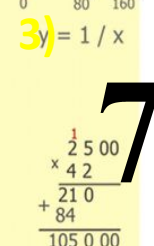
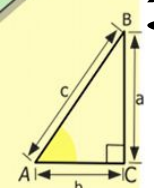
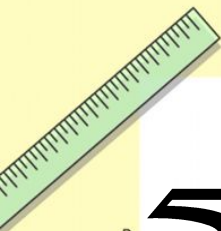
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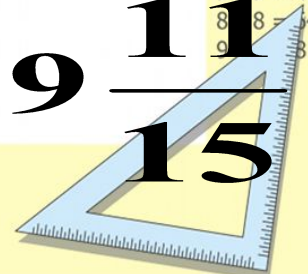
$$x = 70$$

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

9) $9 \frac{11}{15}$

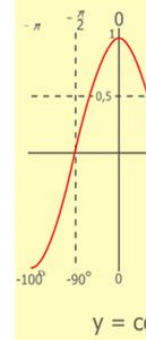
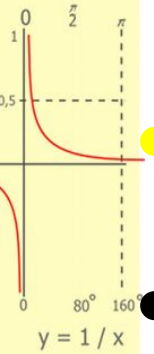
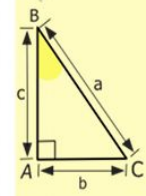
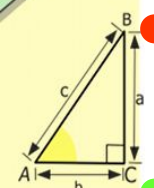
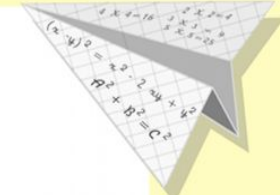
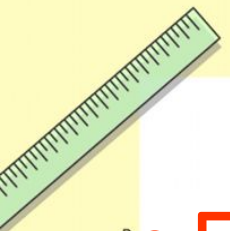


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- 9 x 9 = 81



Оценки за тест

- 5 – 8 правильных ответов;
- 4 – 7 правильных ответов;
- 3 – 5-6 правильных ответов
- 2 – менее 5 правильных ответов.



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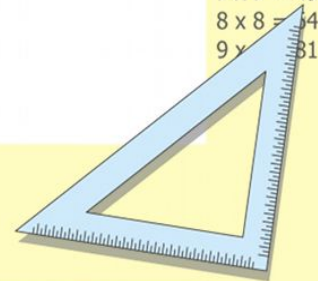
$$\sin 90^\circ = 1$$



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

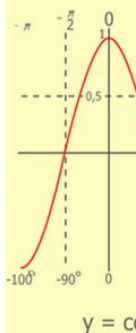
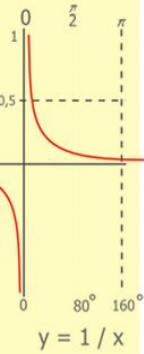
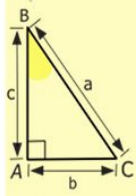
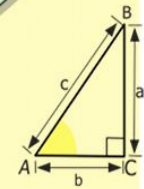
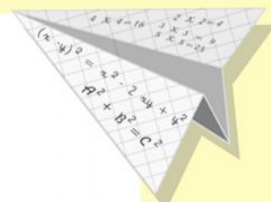
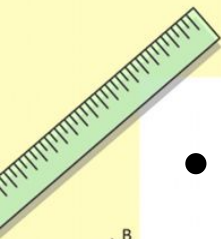
$$\begin{cases} y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$

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



Домашнее задание

- № 1118, 1138, пункт 29 правила.



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