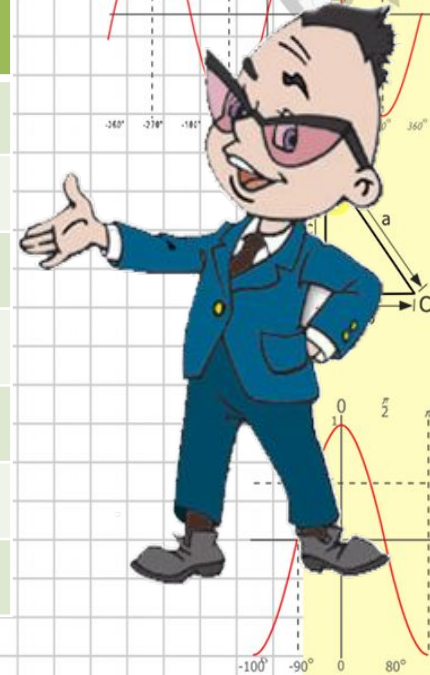


Лови ответ:

| Номер задания | Вариант 1 | Вариант 2 |
|---------------|-----------|-----------|
| A1 | 3 | 2 |
| A2 | 1 | 3 |
| A3 | 4 | 4 |
| A4 | 1 | 1 |
| B1 | 19,2 км/ч | 13,8 км/ч |
| B2 | 1,8 км/ч | 2,7 км/ч |
| B3 | 14,031 км | 25,117 т |



Критерии оценки: Задания A1-A4

1балл

B1-B3 2балла

«5» - 10-8 баллов

«4» - 6-7 баллов

«3» - 4-5 баллов

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

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

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

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

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

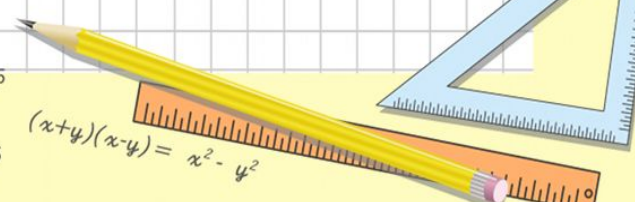
$$x = 70$$

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

$$y = \cos x$$

- 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

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



Ответьте на вопросы:

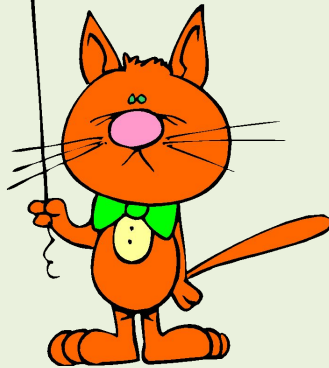
- 1) Скажите алгоритм сложения десятичных дробей?
- 2) Скажите алгоритм вычитания десятичных дробей?
- 3) Какие свойства сложения и вычитания десятичных дробей вы знаете?
- 4) Что общего при сложении и вычитании десятичных дробей и натуральных чисел?



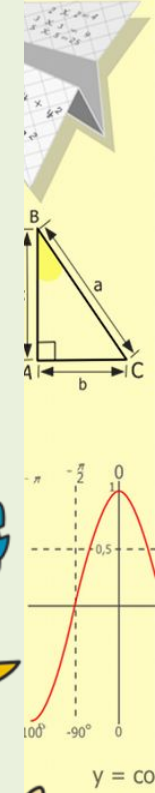
Background elements include:

- A green ruler at the top left.
- A right-angled triangle with sides labeled a , b , and c , and angles A and B .
- A coordinate system with a red curve and axes labeled x and y .
- A vertical list of multiplication facts: $2 \times 2 = 4$, $3 \times 3 = 9$, $4 \times 4 = 16$, $5 \times 5 = 25$, $6 \times 6 = 36$, $7 \times 7 = 49$, $8 \times 8 = 64$, $9 \times 9 = 81$.
- A blue protractor at the bottom center.
- A yellow pencil at the bottom left.
- Mathematical formulas: $\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$, $\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$, $\sin 90^\circ = 1$, $(x+y)(x-y) = x^2 - y^2$, $x = 25 + 45$, $x = 70$.
- A blue set square at the bottom right.

Найдите равные дроби



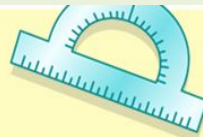
$0,5$ $0,050$ $0,005$
 $0,5000$ $0,00050$ $0,50$



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

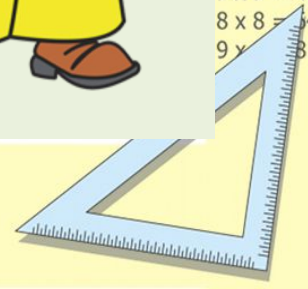
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

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



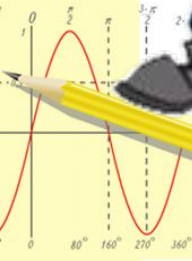
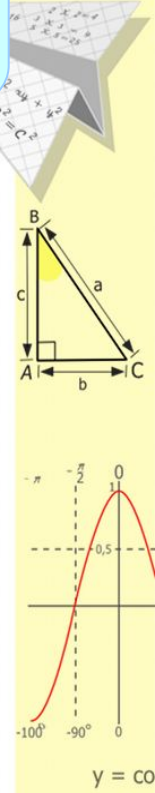
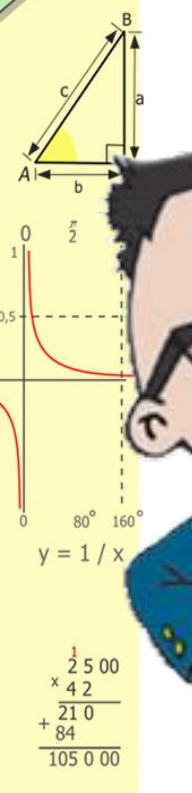
$$\begin{cases} x = 25y + 45 \\ y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$

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



Восстановите знак "+" или "-"

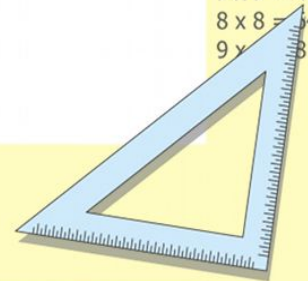
- 15,56 + 12,34 = 27,9;
- 38,54 - 3,854 = 34,686;
- 18,38 + 0,7 = 19,08.



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

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

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



Кто-то стер в примерах запятые, восстановите их, чтобы равенства стали верными:

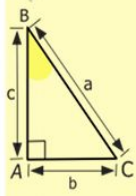
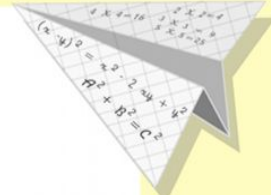
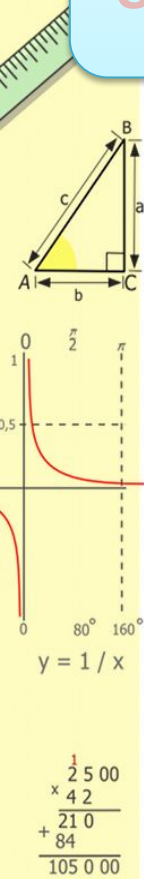
а) $57 \cdot 23 = 8;$

б) $8 + 10 = 90;$

в) $0 + 28 = 31;$

г) $13 - 0 = 1;$

д) $105 - 42 = 63.$



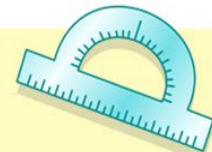
| |
|------------|
| 2 x 2 = 4 |
| 3 x 3 = 9 |
| 4 x 4 = 16 |
| 5 x 5 = 25 |
| 6 x 6 = 36 |
| 7 x 7 = 49 |
| 8 x 8 = 64 |
| 9 x 9 = 81 |



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

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

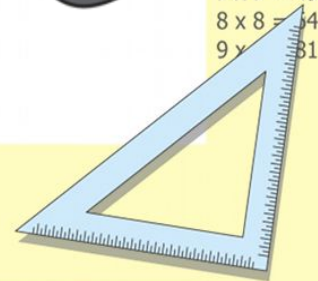
$\sin 90^\circ = 1$



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

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

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

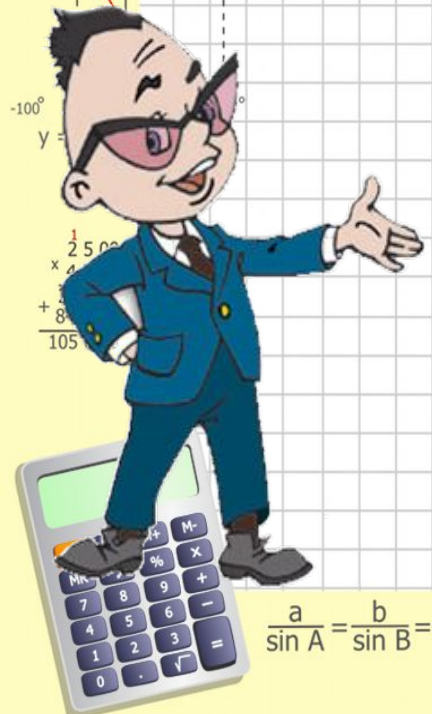
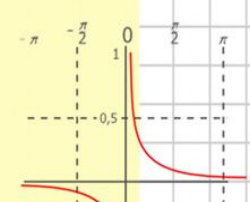
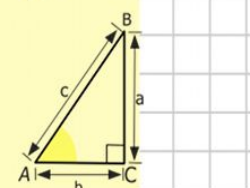
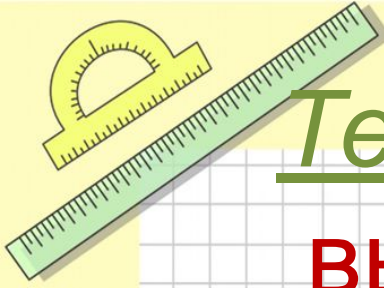


Математик

Тема урока: Сложение и вычитание десятичных дробей.

(Обобщающий урок)

Подумайте какие цели урока мы можем для себя поставить?



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

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

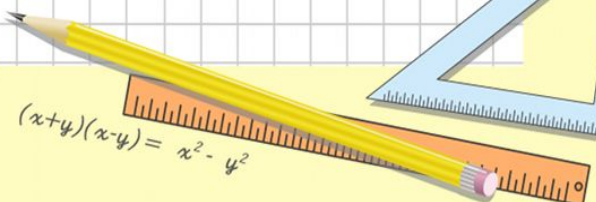


$$\sin 90^\circ = 1$$

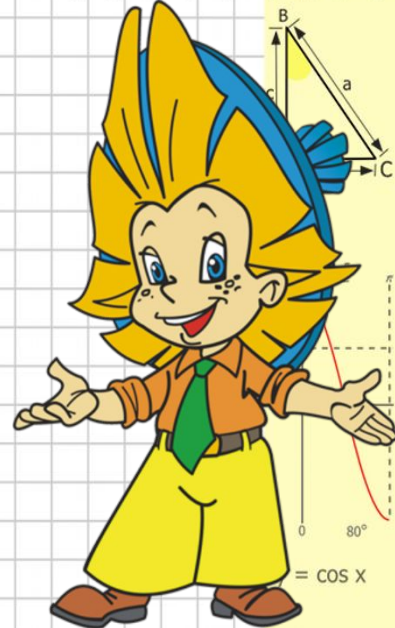
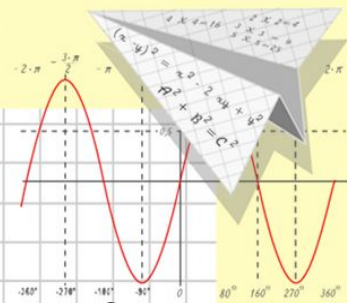


$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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



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



- 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

Задача.

№1

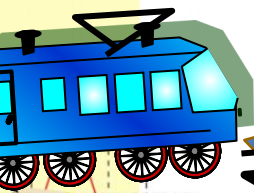
Поезд шёл двое суток. В первые сутки он прошёл 98,5 км, а во вторые – на *a* км больше. Сколько километров прошёл поезд за двое суток?

$$98,5 + (98,5 + a)$$

?

98,5 км

на *a* км б.



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

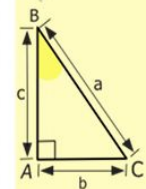
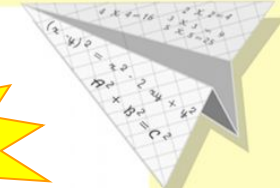
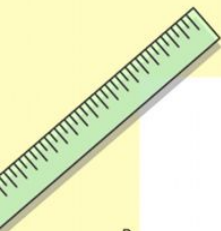
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

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

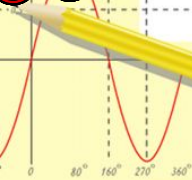
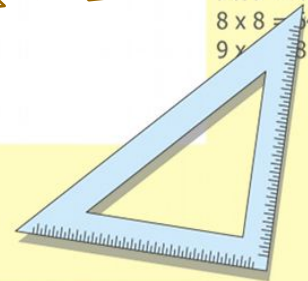
$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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

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



- 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



Найди значение выражения

$98,5 + (98,5 + a)$, если...

19

8,

65

$a = 1,65$, то $98,5 + (98,5 + 1,65) = (98,5 + 98,5) + 1,65$

19

9,3

205

0,4

5

$a = 2,35$, то $98,5 + (98,5 + 2,35)$

$a = 3,45$, то $98,5 + (98,5 + 3,45)$

Молодцы!

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

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

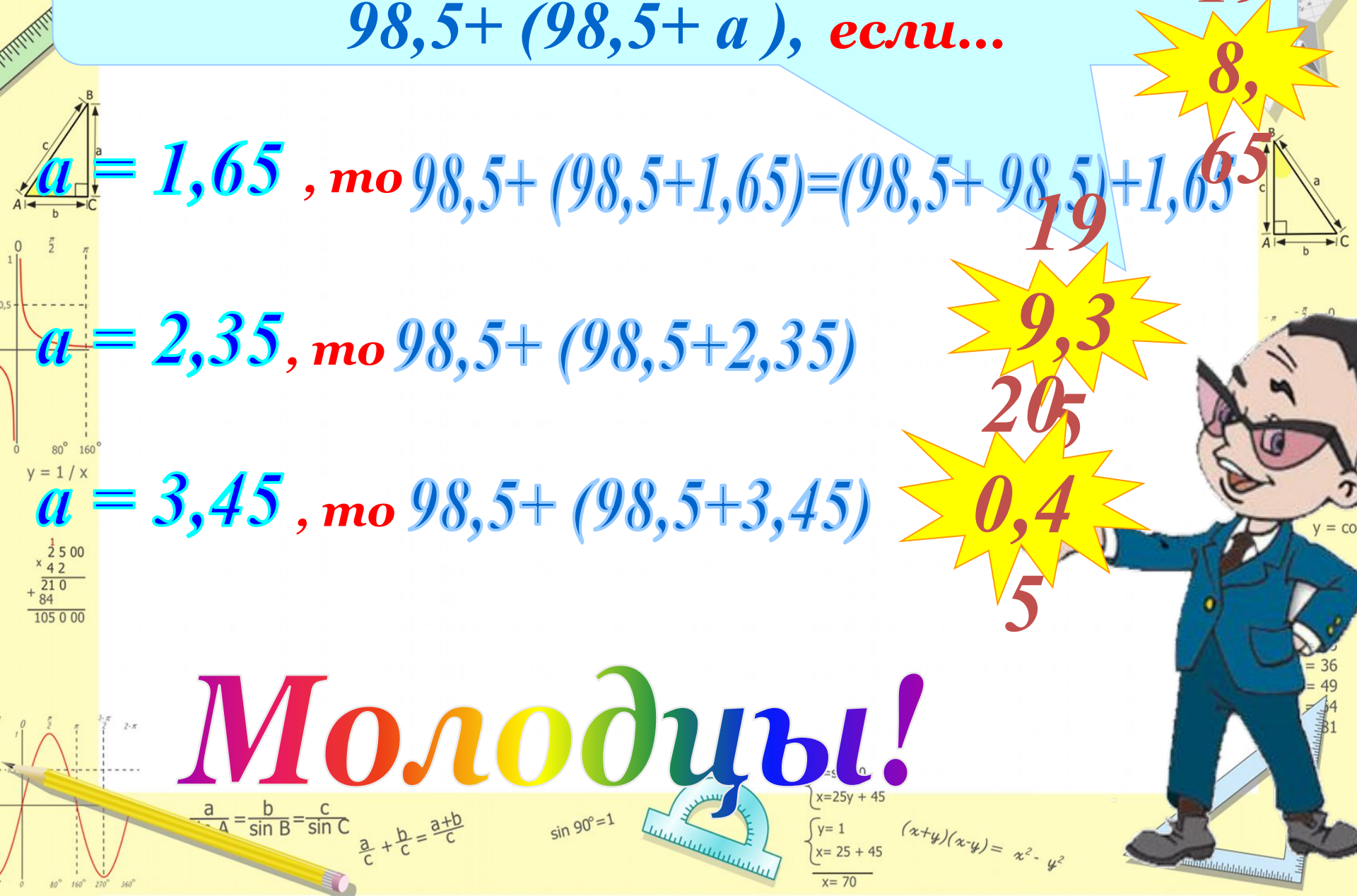
$$\sin 90^\circ = 1$$

$$x = 25y + 45$$

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

$$x = 70$$

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



Реши уравнения. Вместо букв впиши числа, которые являются корнями уравнений, записанных по вертикали, и по горизонтали.



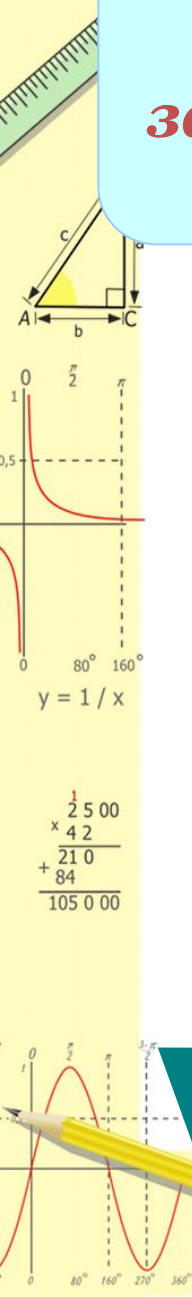
$$1,2 \cdot \text{○} = 4$$

$$3 + 8 + 0$$

$$\text{○} - 2,5 = \text{○}$$

$$2 = = 7$$

$$4,4 \cdot \frac{c}{b \sin C} + 0,3 = \text{○}$$



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

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

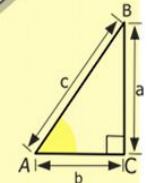
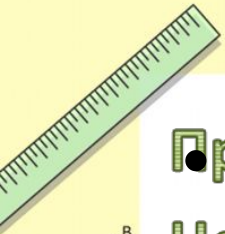
$$(x+y)(x-y) = x^2 - y^2$$

Физкультминутка

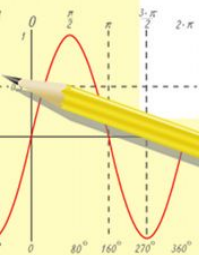
● **Правильный ответ – руки вверх**

● **Неверный ответ – руки вперед**

- $\frac{5}{7}$ – десятичная дробь?
- $0,7 > 0,3$
- $0,3 = 0,03$
- От перестановки слагаемых сумма не изменится?
- Если к 1,5 прибавить 5, то получим 2
- Если от 6,7 отнять 6, то получим 0,7



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



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

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

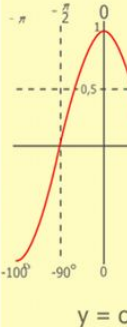
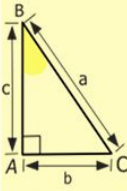
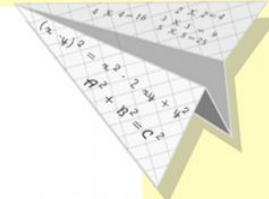
$$\sin 90^\circ = 1$$



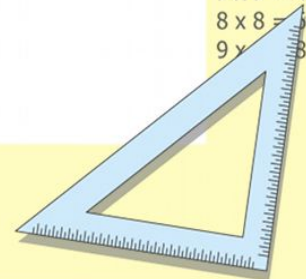
$$\begin{cases} y = \sin 90 \\ x = 25 + 45 \end{cases}$$

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

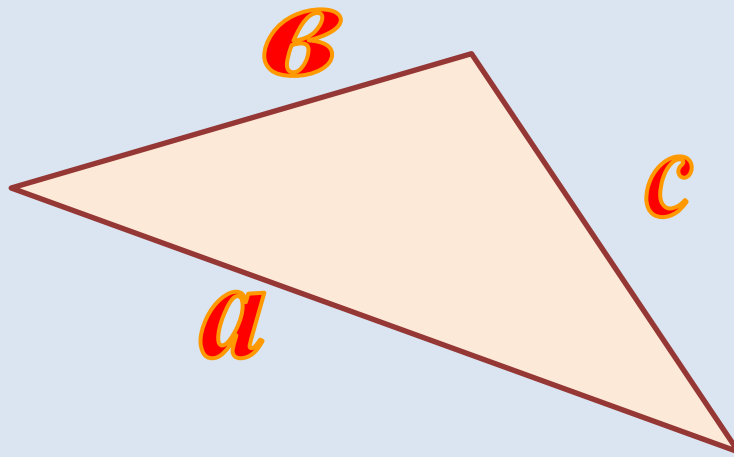
$$(x+y)(x-y) = x^2 - y^2$$



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



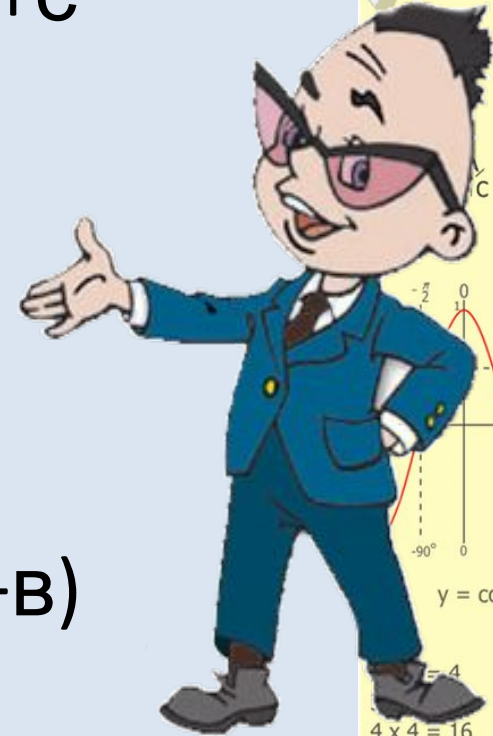
Практическая работа в парах



$$P_{\Delta} = a + b + c$$



$$P_{\text{пря.}} = 2 \cdot (a + b)$$



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

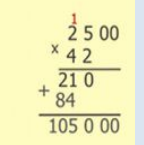
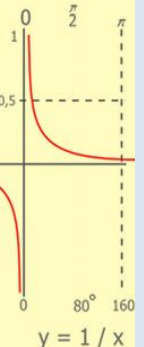
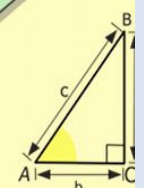
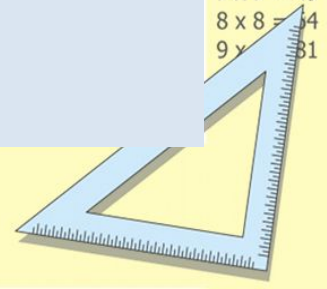
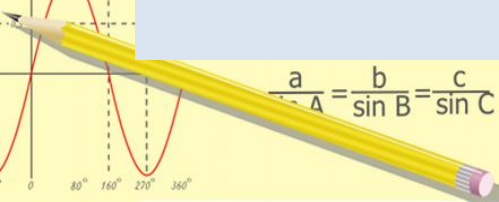
$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

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

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

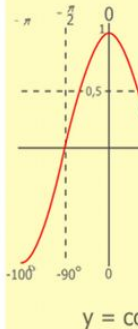
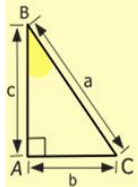
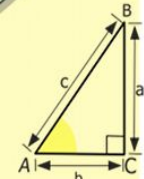
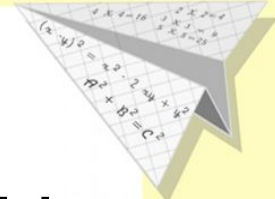
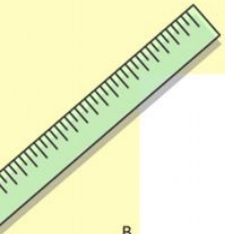
$$\begin{cases} x = 25y + 45 \\ y = 1 \\ x = 25 + 45 \\ x = 70 \end{cases}$$

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



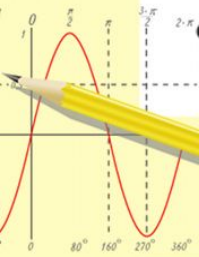
Домашнее задание:

- § 33 (повторить алгоритмы сложения и вычитания)
- РТ: № 429, 435, 434 (дополнительный)



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

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



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

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

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

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

