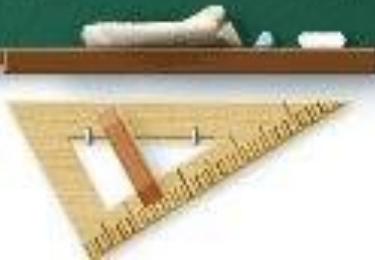


*Классная работа*

*28.04.*

*Среднее арифметическое.*

*Среднее значение  
величины*



# ЗАДАЧА № 1

Фермер собрал с поля в

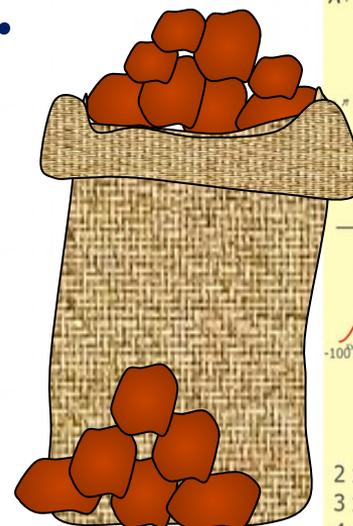
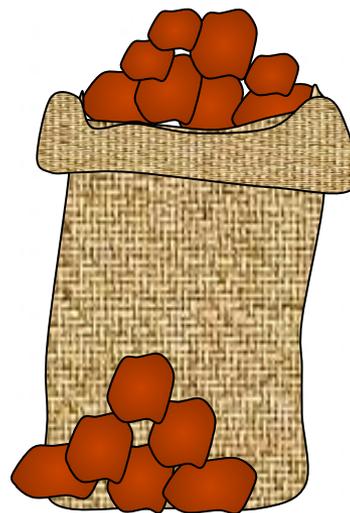
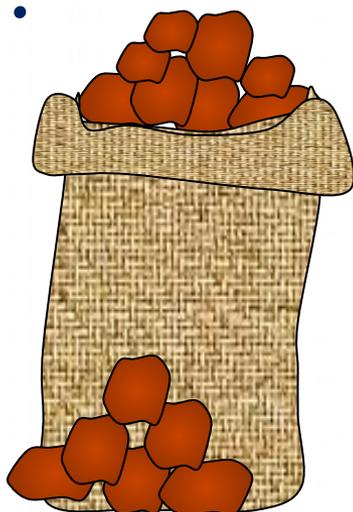
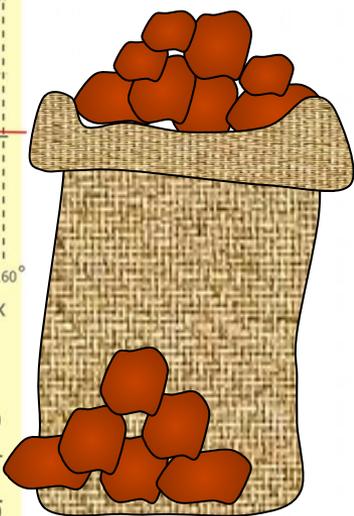
2005 г. - 4647

2007 г. - 4491

2006 г. - 4372 т.

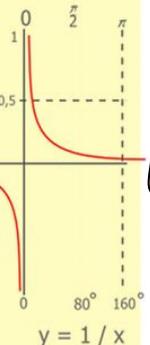
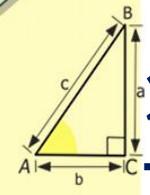
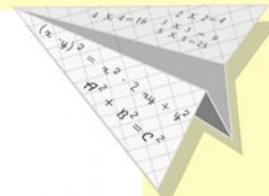
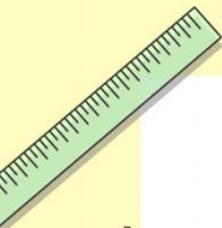
2008 г. - 4592

т.



Каков средний урожай картофеля за эти годы?

**4525,5 т.**



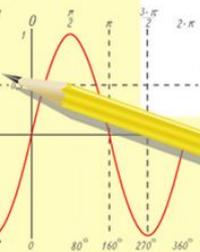
$\frac{1}{2} \times 2500$   
 $\times 42$   
 $+ 210$   
 $+ 84$   

---

 $105000$



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



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

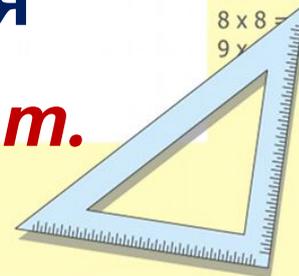
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

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



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

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

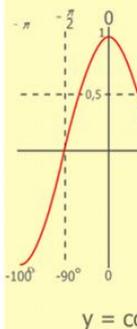
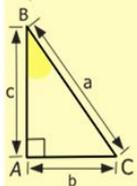
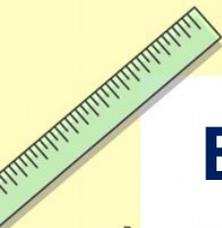


## ЗАДАЧА № 2

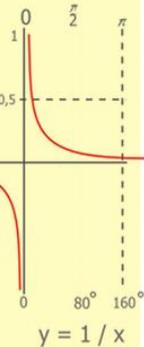
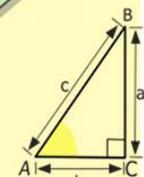
Ежедневная зарплата рабочего в течение пяти дней составляла 660 р, 725 р, 690 р, 710 р и 645 р. Какова средняя зарплата рабочего за один день?



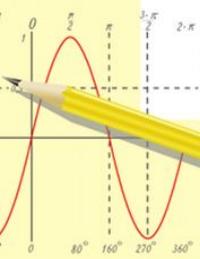
686 руб.



- 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



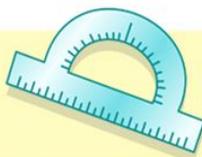
$$\begin{array}{r} 2500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 105000 \end{array}$$



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

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

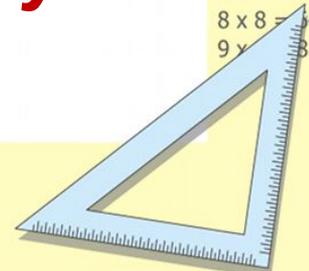
$$\sin 90^\circ = 1$$



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

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

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



## Задача № 3

Средний рост шести друзей 1,2 м. Рост самого низкого из них – 1,1 м. Каков средний рост остальных пяти?

1. Суммарный рост шести друзей равен:

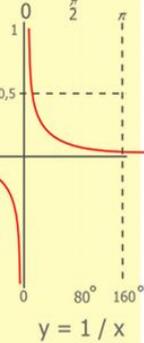
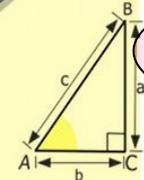
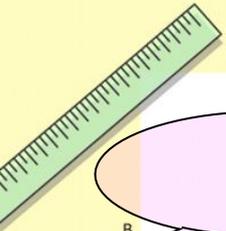
$$1,2 \cdot 6 = 7,2 \text{ (м)}$$

2. Исключим рост самого низкого:

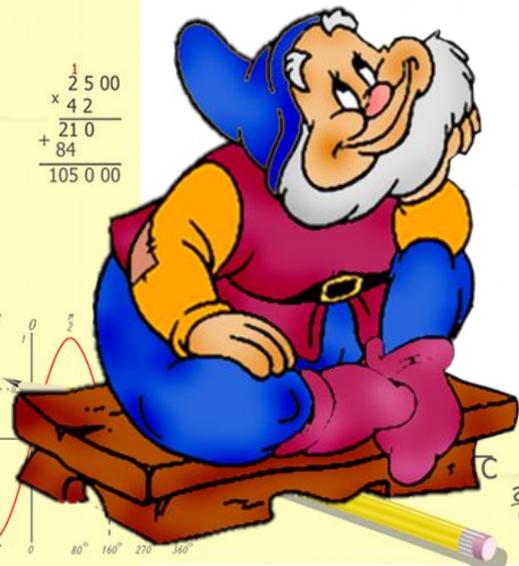
$$7,2 - 1,1 = 6,1 \text{ (м)}$$

3. Средний рост пяти друзей равен:

$$6,1 : 5 = 1,22 \text{ (м)}$$

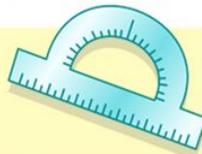


$$\begin{array}{r} 1 \\ \times 2500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 105000 \end{array}$$



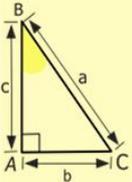
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

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



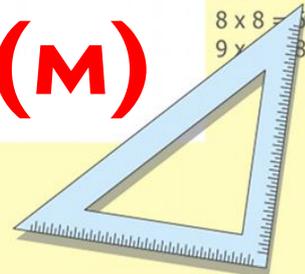
$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \\ y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$

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



$$y = \cos$$

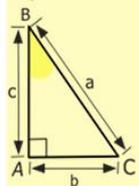
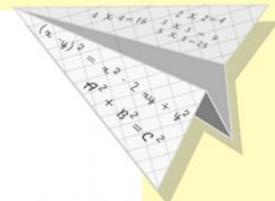
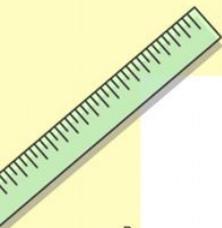
$$\begin{array}{l} 2 \times 2 = 4 \\ 3 \times 3 = 9 \\ 4 \times 4 = 16 \\ 5 \times 5 = 25 \\ 6 \times 6 = 36 \\ 7 \times 7 = 49 \\ 8 \times 8 = 64 \\ 9 \times 9 = 81 \end{array}$$



# СООБРАЖАЙ!

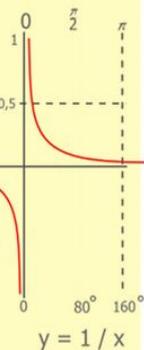
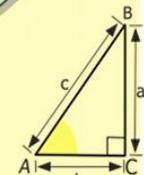
Среднее арифметическое:  
Велосипеда и мотоцикла  
Трамвая и поезда  
Апельсина и лимона  
Туфельки и сапога  
Пианино и баяна  
Холодильника и вентилятора  
Портфеля и рюкзака  
Носка и чулка

Мопед  
Электричка  
Грейпфрут  
Ботинок  
Аккордеон  
Кондиционер  
Ранец  
Гольф

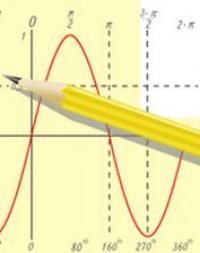


y = cos

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



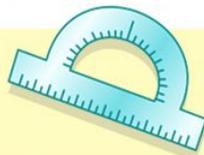
$$\begin{array}{r} 2500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 105000 \end{array}$$



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

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

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



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

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

$$x = 70$$

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

# Как найти второе число, если среднее арифметическое двух чисел равно 3,1, а первое число равно 3,8?

1. Пусть неизвестное число равно  $X$ .
2. Первое число равно 3,8.
3. Сумма этих двух чисел равна  $3,8 + X$ .
4. Среднее арифметическое равно 3,1.
5. Количество чисел равно 2.
6. Можем составить уравнение:

$$(3,8 + x) : 2 = 3,1$$

$$3,8 + x = 3,1 \cdot 2$$

$$3,8 + x = 6,2$$

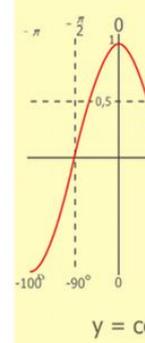
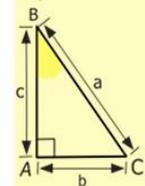
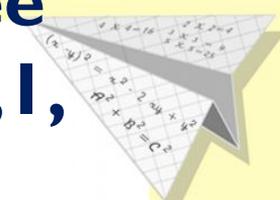
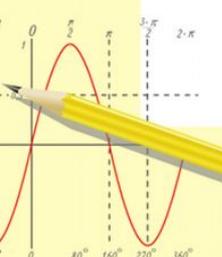
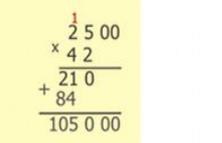
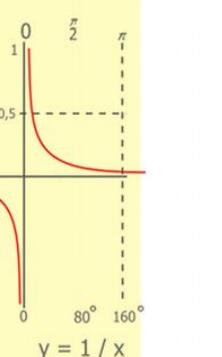
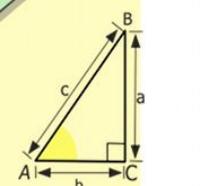
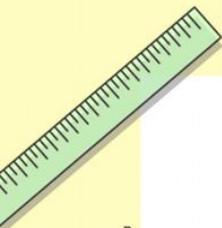
$$x = 6,2 - 3,8$$

**Ответ: 2,4.**

$$x = 2,4$$

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

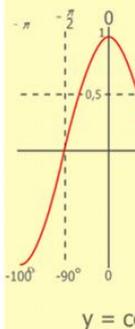
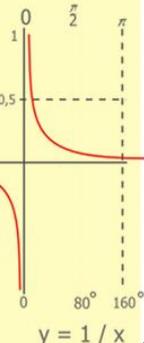
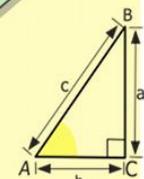
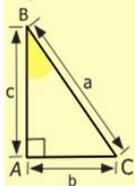
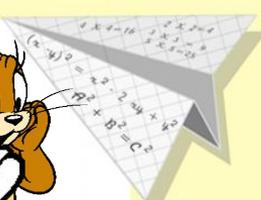
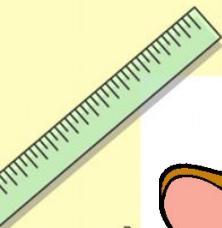
$$(x+y)(x-y) = x^2 - y^2$$





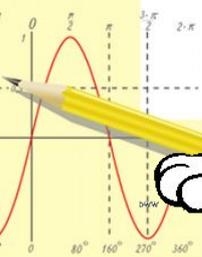
# Физминутка





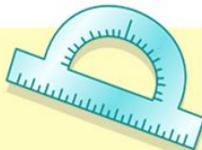
$$\begin{array}{r} 1 \\ \times 2500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 105000 \end{array}$$

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



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

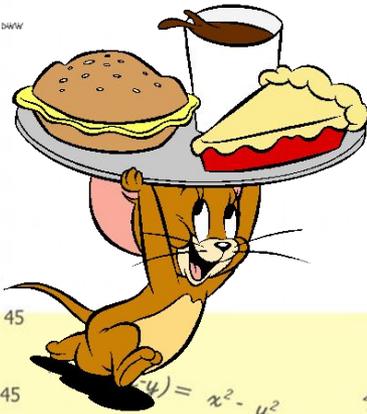
$$\sin 90^\circ = 1$$



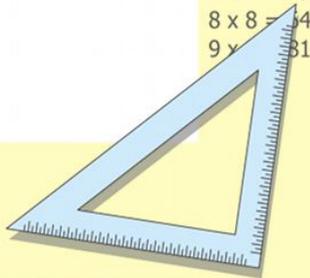
$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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

$$\underline{x = 70}$$



$$f(x) = x^2 - 4^2$$



# Работа по учебнику:

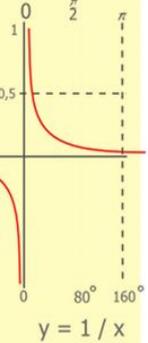
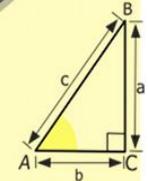
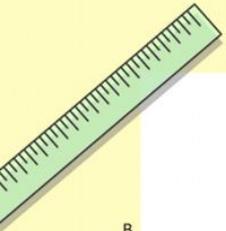


№ 1034 - 1040,  
1044, 1045, 1047,  
1048.

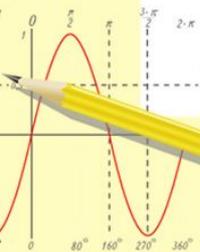


# РЕФЛЕКСИЯ

- Я узнал (а)...
- Я научился (ась)...
- Мне понравилось...
- Я затруднялся (ась)...
- Моё настроение...



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



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

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

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

