

# Математик

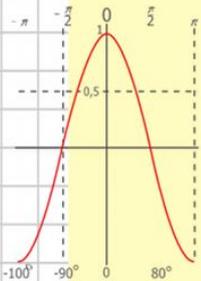
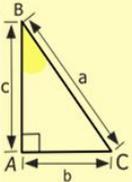
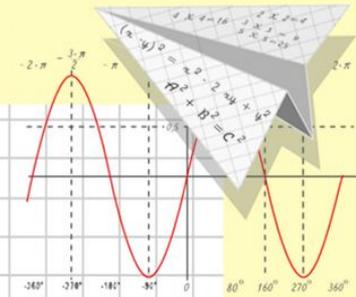
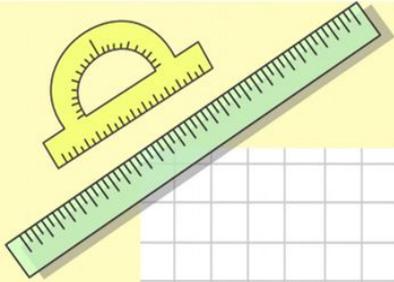
а

## Проект по математике «Математика вокруг нас»

Выполнила ученица 4 «В»  
класса

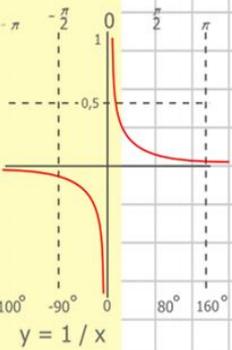
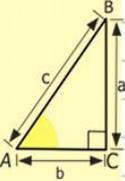
МКОУ СОШ № 28

Ильющенко Светлана



$$y = \cos x$$

- 2 x 2 = 4
- 3 x 3 = 9
- 4 x 4 = 16
- 5 x 5 = 25
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- 8 x 8 = 64



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

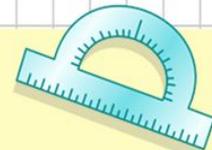


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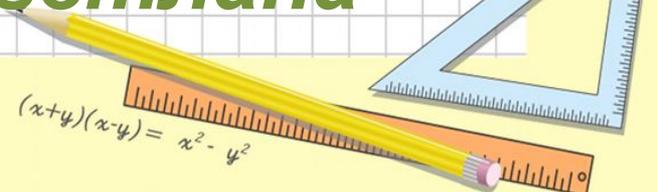


$$\sin 90^\circ = 1$$



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

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

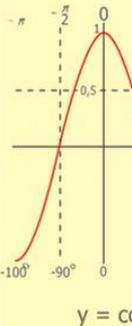
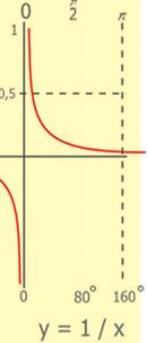
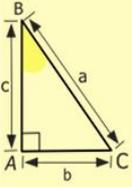
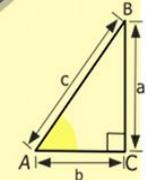
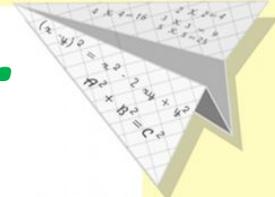
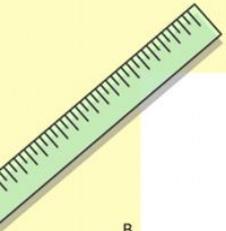


# Математика — царица наук.

## Карл Фридрих Гаусс

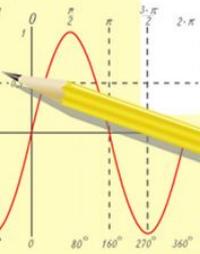
Математика — один из основных предметов, который учит думать. Только подумайте, все доступные нам технологии, возможны благодаря математике!

Все законы в нашем мире подчинены законам математики — машина едет, самолет летит, телевизор показывает изображение.



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

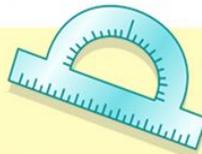
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$$\sin 90^\circ = 1$$

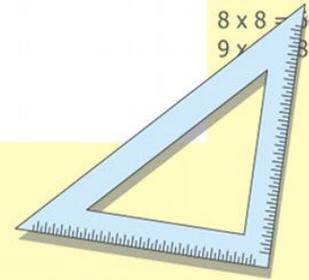


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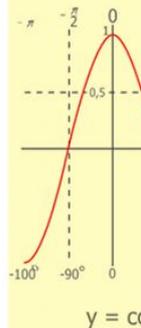
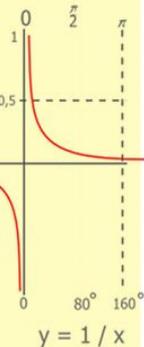
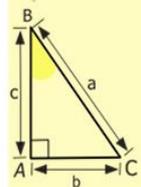
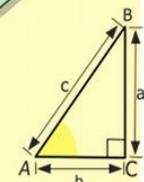
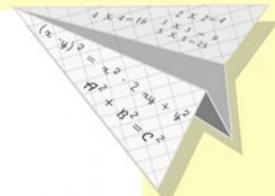
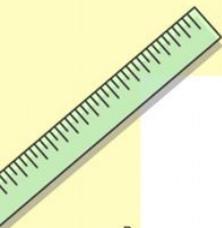
$$x = 70$$

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



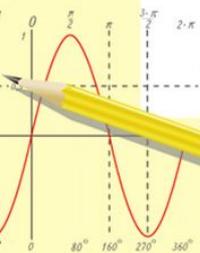
# Цель проекта

- С помощью интернета найти несколько интересных задач, в которых надо проводить сравнение, классификацию объектов, подмечать закономерности построения числовых рядов и преобразовывать геометрические фигуры.



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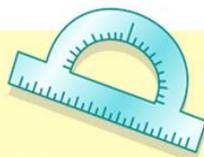
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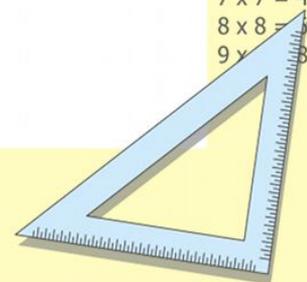
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# Сравнение

- Лена за 6 минут успевает раскрасить 60 капелек, а ее младшая сестра за 8 часов — 72 капельки. На сколько больше капелек в час раскрашивает Лена?



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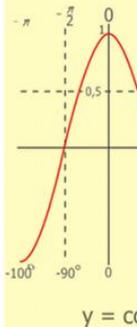
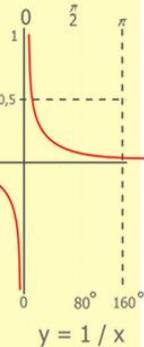
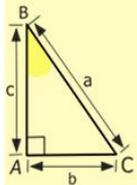
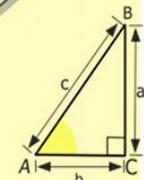
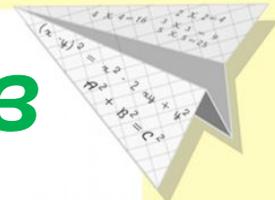
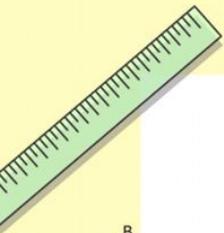
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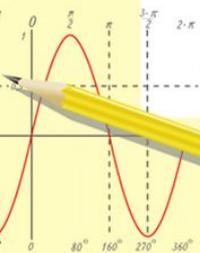
# Классификация объектов

- Какое выражение можно назвать лишним:
- $1+3+2$ ;  $1+5$ ;  $7-1$ ;  $2+4$ ;  $6-4$ ;  $3+3$ .
- Подсказка: 3 ответа.



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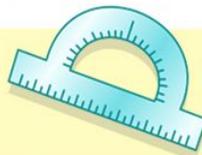
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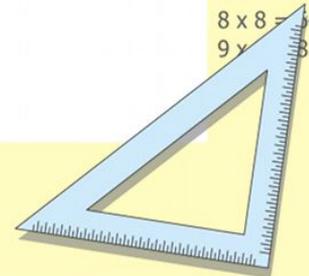
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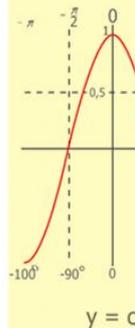
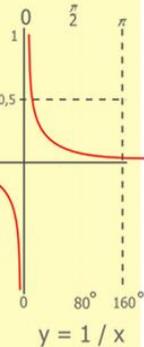
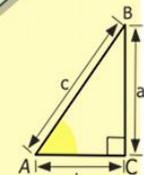
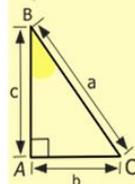
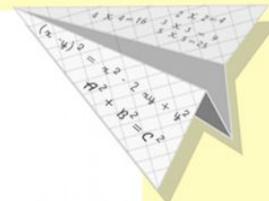
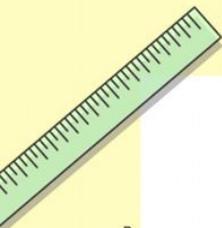
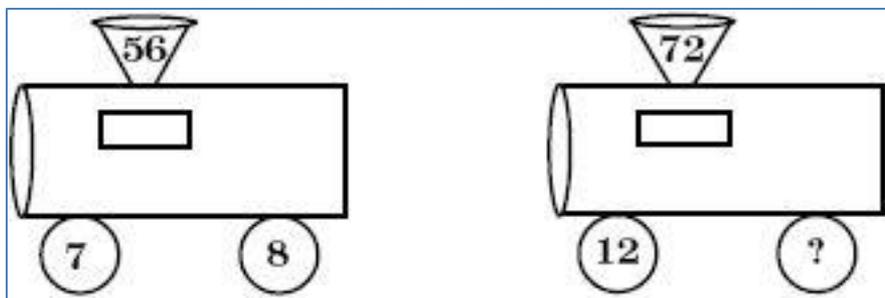
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# Числовые ряды

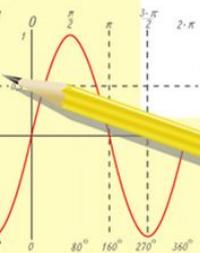
На рисунки с числами, необходимо вместо вопроса поставить нужное число.

"Паровоз":



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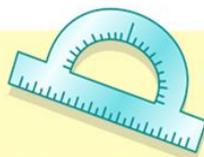
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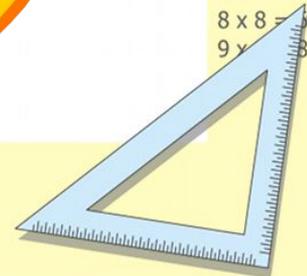
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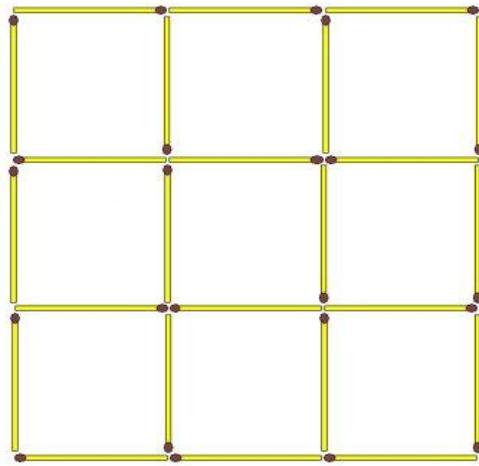
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# Преобразование геометрических фигур

- Перед Вами девять квадратов, образованных двадцатью четырьмя спичками. Уберите четыре спички так, чтобы осталось пять квадратов



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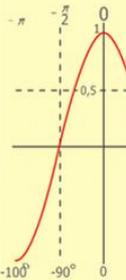
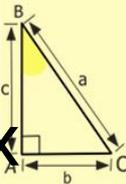
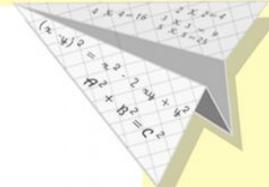
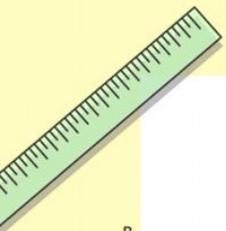


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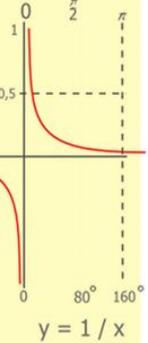
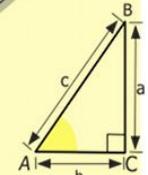
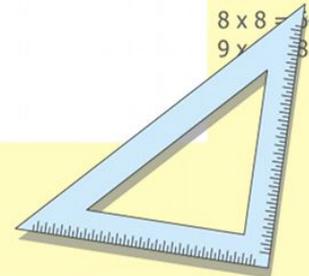
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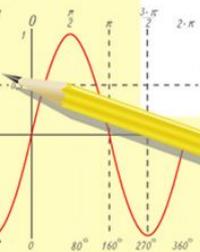


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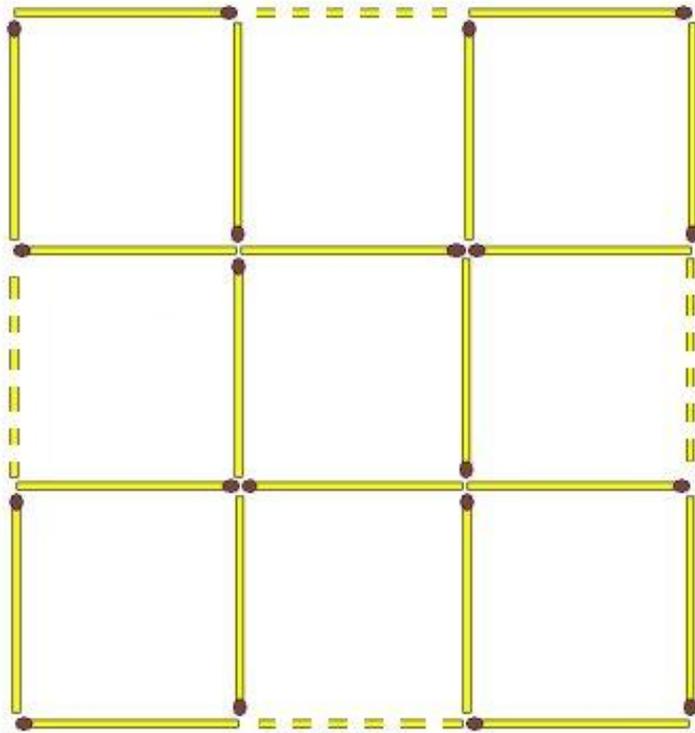
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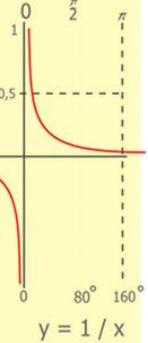
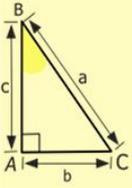
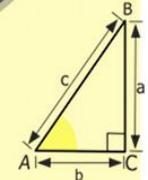
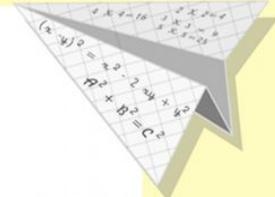
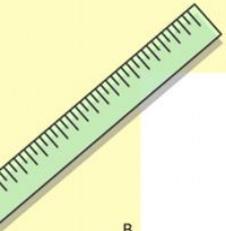
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# Ответ

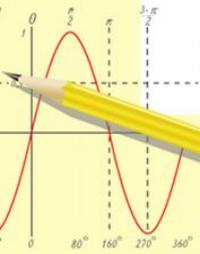


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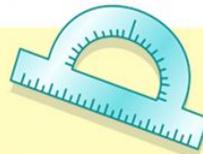
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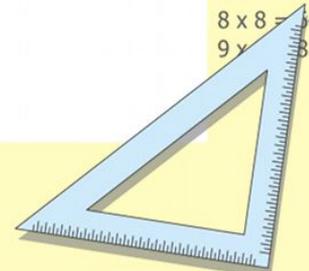
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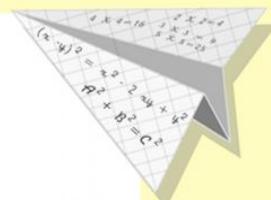
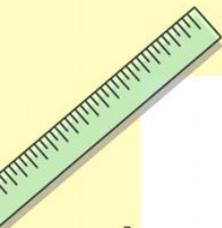


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$$\begin{cases} y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$

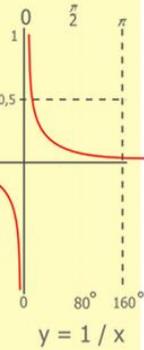
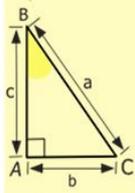
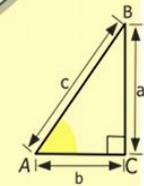
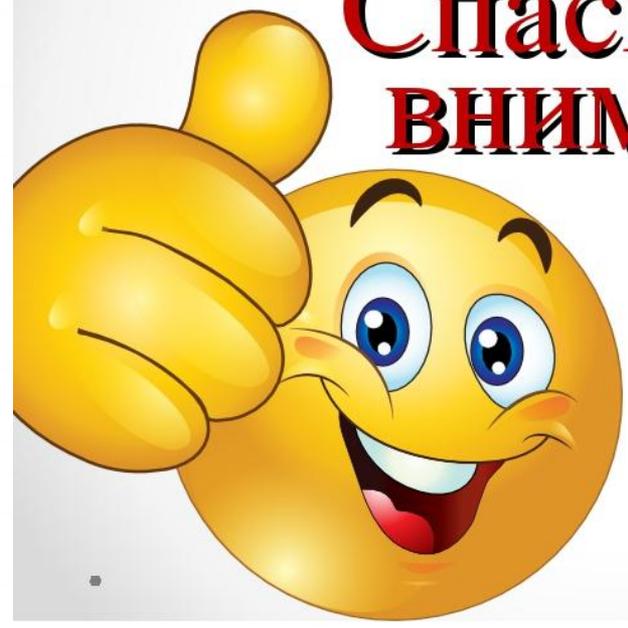
$$(x+y)(x-y) = x^2 - y^2$$





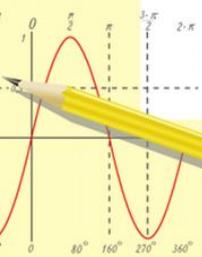
# МОЛОДЦЫ!

## Спасибо за внимание



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

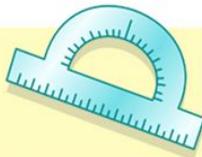
- $2 \times 2 = 4$
- $3 \times 3 = 9$
- $4 \times 4 = 16$
- $5 \times 5 = 25$
- $6 \times 6 = 36$
- $7 \times 7 = 49$
- $8 \times 8 = 64$
- $9 \times 9 = 81$



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

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

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



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

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

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

