

Progetto

Let's do Maths in English

Classi 1[^] C e 2[^] C



LET'S DO MATH IN ENGLISH 2^C

FRACTIONS

What is a fraction?
 A fraction represents a part of a whole.
 The top number is the numerator.
 The bottom number is the denominator.

Example: $\frac{1}{2}$ means 1 part out of 2 equal parts.
 $\frac{3}{4}$ means 3 parts out of 4 equal parts.

APPLE PIE INGREDIENTS

Ingredients for an apple pie:
 4 cups flour
 1 cup butter
 2 cups sugar
 1 cup apples
 1/2 cup cinnamon

Math problem: If you have 10 apples and eat 3, how many are left?
 $10 - 3 = 7$

Math problem: A box contains 24 pencils. If you use 15, how many are left?
 $24 - 15 = 9$

PERCENTAGES

A percentage is a fraction of 100.
 Example: 50% means 50 out of 100.

Math problem: 20% of 50 is what?
 $0.20 \times 50 = 10$

Math problem: A rectangle has a length of 10 and a width of 5. What is its area?
 $10 \times 5 = 50$

Math problem: A square has a side length of 4. What is its perimeter?
 $4 \times 4 = 16$

Math problem: A circle has a radius of 3. What is its area?
 $\pi \times 3^2 = 9\pi$

Math problem: A triangle has a base of 6 and a height of 4. What is its area?
 $\frac{1}{2} \times 6 \times 4 = 12$

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Math problem: A rectangle has a length of 8 and a width of 3. What is its perimeter?
 $2 \times (8 + 3) = 22$

Math problem: A square has a side length of 5. What is its area?
 $5 \times 5 = 25$

Math problem: A circle has a diameter of 10. What is its circumference?
 $\pi \times 10 = 10\pi$

Math problem: A triangle has a base of 10 and a height of 6. What is its area?
 $\frac{1}{2} \times 10 \times 6 = 30$

Math problem: A rectangle has a length of 12 and a width of 5. What is its area?
 $12 \times 5 = 60$

Let's do Math's in English!

+ PLUS
- MINUS

IS LESS THAN OR EQUAL TO

= EQUALS OR IS EQUAL TO

× MULTIPLIED BY

≠ IS NOT EQUAL TO

> IS MORE THAN

÷ DIVIDE

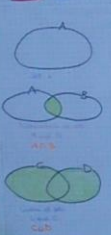
< IS LESS THAN

≥ IS MORE THAN OR EQUAL TO

How many 100s are there in 600? How many 10s are there in 600? How many 1s are there in 600?

600	600	000
600	600	000
600	600	000

Sets

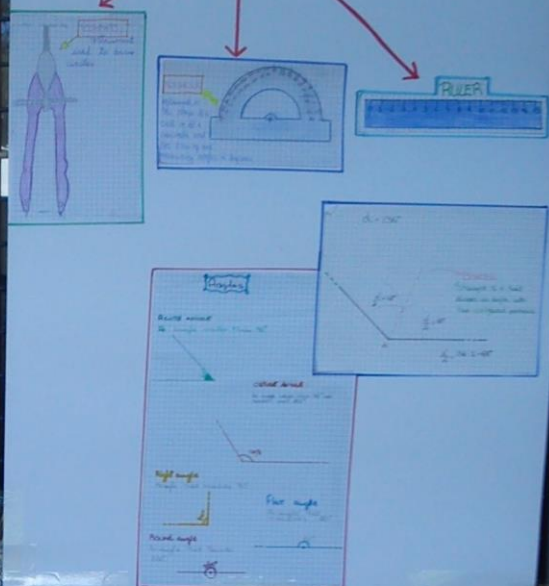


A universal set contains all possible elements. The intersection of two sets is the set of elements that are in both sets. The union of two sets is the set of elements that are in either set. The complement of a set is the set of elements that are not in the set.

- 1. The sum of two consecutive odd numbers is a multiple of 4.
- 2. The sum of two consecutive even numbers is a multiple of 4.
- 3. The sum of three consecutive odd numbers is a multiple of 3.
- 4. The sum of three consecutive even numbers is a multiple of 6.

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INSTRUMENTS WE USED:



POWERS!

When a number is multiplied by itself one or more times the answer is a power of the base number.

2² = 2 squared
 $2^2 = 2$ to the power of 2
 $2^3 = 2$ to the power of 3
 $2^4 = 2$ to the power of 4
 $2^5 = 2$ to the power of 5

2² = 2 cubed
 $2^2 = 2$ to the power of 2
 $2^3 = 2$ to the power of 3
 $2^4 = 2$ to the power of 4
 $2^5 = 2$ to the power of 5

POWERS OF TEN

- $10^2 = (ten squared) = 100 = one hundred$
- $10^3 = (ten cubed) = 1000 = one thousand$
- $10^4 = (ten to the power of four) = 10000 = one ten thousand$
- $10^5 = (ten to the power of five) = 100000 = one hundred thousand$
- $10^6 = (ten to the power of six) = 1,000,000 = one million$

Exercise

Add four more terms to each of these two sequences.

cutest
 $10^2 + 10^3 + 10^4 + 10^5 + 10^6 = 100 + 1000 + 10000 + 100000 + 1000000 = 1111100$

CLASS: 1°C
 Sixth Semester of 4th grade
 "Enrico Fermi"
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