

Progetto

Let's do Maths in English

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



LET'S DO MATH IN ENGLISH 2^C

FRACTIONS

What are fractions?
 Fractions represent parts 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:
 1 cup flour
 1/2 cup sugar
 1/4 cup butter
 2 apples
 1 egg
 1/2 cup milk

How to make an apple pie:
 1. Preheat the oven to 375°F.
 2. Mix the flour, sugar, and butter.
 3. Add the apples and milk.
 4. Bake for 45 minutes.

Math problems related to fractions:
 $\frac{1}{2} + \frac{1}{4} = \frac{2}{4} + \frac{1}{4} = \frac{3}{4}$
 $\frac{3}{4} - \frac{1}{4} = \frac{2}{4} = \frac{1}{2}$

Math problems:
 $\frac{1}{2} + \frac{1}{3} = \frac{3}{6} + \frac{2}{6} = \frac{5}{6}$
 $\frac{5}{6} - \frac{1}{3} = \frac{5}{6} - \frac{2}{6} = \frac{3}{6} = \frac{1}{2}$

DATA
 A bar graph showing the number of students in each class.
 Class 1: 10 students
 Class 2: 15 students
 Class 3: 20 students

Math problems:
 $10 + 15 + 20 = 45$
 $45 - 10 = 35$
 $35 - 15 = 20$

CLASSE 2^C
 ANNO 2016-2017

Math problems:
 $\frac{1}{2} \times \frac{2}{3} = \frac{1 \times 2}{2 \times 3} = \frac{2}{6} = \frac{1}{3}$
 $\frac{1}{3} \div \frac{2}{3} = \frac{1}{3} \times \frac{3}{2} = \frac{1 \times 3}{3 \times 2} = \frac{3}{6} = \frac{1}{2}$

Math problems:
 $\frac{1}{2} + \frac{1}{3} + \frac{1}{6} = \frac{3}{6} + \frac{2}{6} + \frac{1}{6} = \frac{6}{6} = 1$
 $1 - \frac{1}{2} = \frac{2}{2} - \frac{1}{2} = \frac{1}{2}$

Math problems:
 $\frac{1}{2} \div \frac{1}{3} = \frac{1}{2} \times \frac{3}{1} = \frac{3}{2} = 1\frac{1}{2}$
 $1\frac{1}{2} - \frac{1}{2} = 1$

Math problems:
 $\frac{1}{2} \times \frac{3}{4} = \frac{1 \times 3}{2 \times 4} = \frac{3}{8}$
 $\frac{3}{8} \div \frac{1}{4} = \frac{3}{8} \times \frac{4}{1} = \frac{3 \times 4}{8 \times 1} = \frac{12}{8} = 1\frac{4}{8} = 1\frac{1}{2}$

Math problems:
 $\frac{1}{2} + \frac{1}{4} + \frac{1}{8} = \frac{4}{8} + \frac{2}{8} + \frac{1}{8} = \frac{7}{8}$
 $\frac{7}{8} - \frac{1}{8} = \frac{6}{8} = \frac{3}{4}$

Math problems:
 $\frac{1}{2} \times \frac{1}{3} = \frac{1 \times 1}{2 \times 3} = \frac{1}{6}$
 $\frac{1}{6} \div \frac{1}{3} = \frac{1}{6} \times \frac{3}{1} = \frac{1 \times 3}{6 \times 1} = \frac{3}{6} = \frac{1}{2}$

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

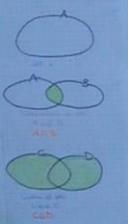
Place value

Thousands	Hundreds	Tens	Units
6	0	0	0

6000

6000 + 000 = 6000

Sets



Intersection: $A \cap B$

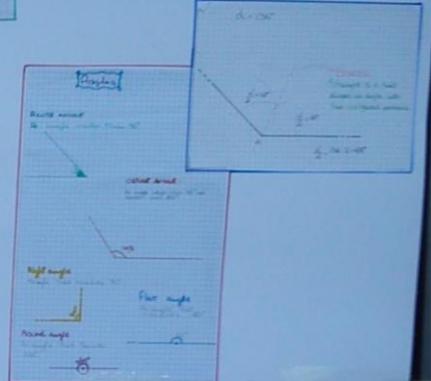
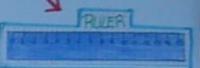
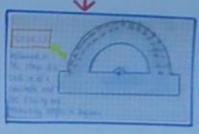
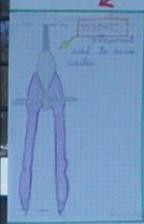
Union: $A \cup B$

Complement: A^c

- 1. $100 \div 10 = 10$ → 10 is a multiple of 10
- 2. $200 \div 10 = 20$ → 20 is a multiple of 10
- 3. $300 \div 10 = 30$ → 30 is a multiple of 10
- 4. $400 \div 10 = 40$ → 40 is a multiple of 10
- 5. $500 \div 10 = 50$ → 50 is a multiple of 10
- 6. $600 \div 10 = 60$ → 60 is a multiple of 10
- 7. $700 \div 10 = 70$ → 70 is a multiple of 10
- 8. $800 \div 10 = 80$ → 80 is a multiple of 10
- 9. $900 \div 10 = 90$ → 90 is a multiple of 10
- 10. $1000 \div 10 = 100$ → 100 is a multiple of 10

1°C

INSTRUMENTS WE USED:



POWERS!

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

$$a^n = a \text{ (repeated) } n \text{ times} = a^n \text{ (power)}$$

2² = 2 squared

2² = 2 to the power of 2

2³ = 2 to the power of 3

2⁴ = 2 to the power of 4

2⁵ = 2 to the power of 5

2² = 2 cubed

2³ = 2 to the power of 3

2⁴ = 2 to the power of 4

2⁵ = 2 to the power of 5

POWERS OF TEN

- 10¹ = (one repeated) = 100 = one hundred
- 10² = (two repeated) = 1000 = one thousand
- 10³ = (three to the power of ten) = 10000 = one ten thousand
- 10⁴ = (four to the power of ten) = 100000 = one hundred thousand
- 10⁵ = (five to the power of ten) = 1000000 = one million

Exercise

Add four more terms to each of these two sequences:

cutest!

$$10 + 20 + 30 + 40 = 100$$

rule of 3!

$$10 + 20 + 30 = 60$$

CLASS: 1°C
 Study Smartly & Stay
 "Success is My Friend"
 A.S. - 10/10/2021