

Grade 3

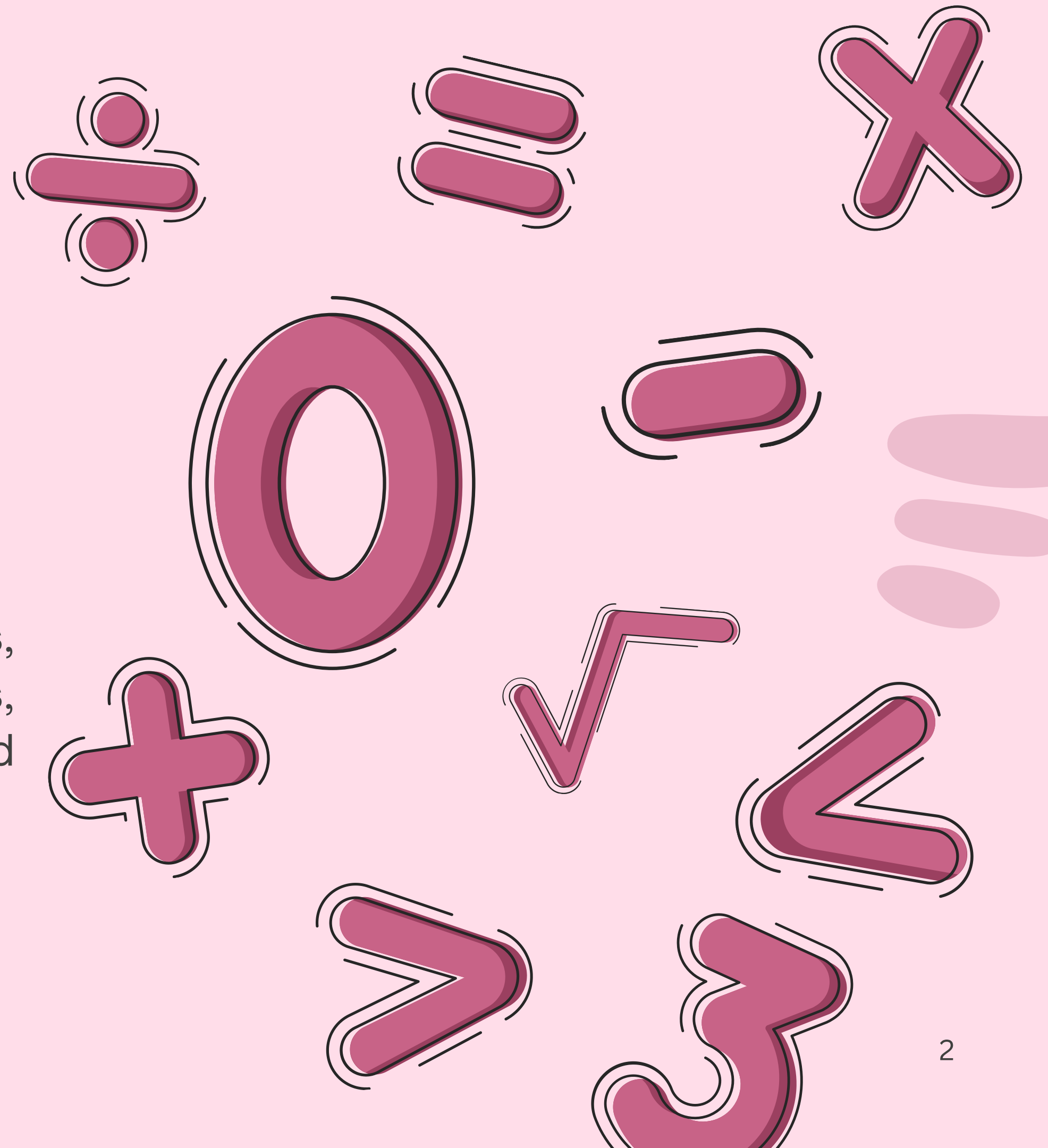
# Introduction to Mathematical Operations

Basics



# Overview of Mathematical Operations

We use them everyday to solve problems, like when we count money, measure things, or share equally. They help us understand and use numbers in real life.



# Addition



Addition is the process of combining two or more numbers to get their total sum.



**Example :**

$$43 + 27 = ?$$

Applications : Calculating total costs, summing up scores, etc.



# Addition



Addition is the process of combining two or more numbers to get their total sum.



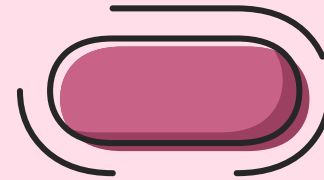
**Example :**

$$43 + 27 = 70$$

Applications : Calculating total costs, summing up scores, etc.



# Subtraction



Subtraction is the process of taking one number away from another.



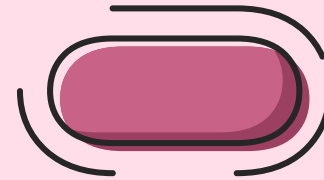
**Example :**

$$97 - 38 = ?$$

Applications : Calculating change, determining differences, etc.



# Subtraction



Subtraction is the process of taking one number away from another.



**Example :**

$$97 - 38 = 59$$

Applications : Calculating change, determining differences, etc.



# Multiplication

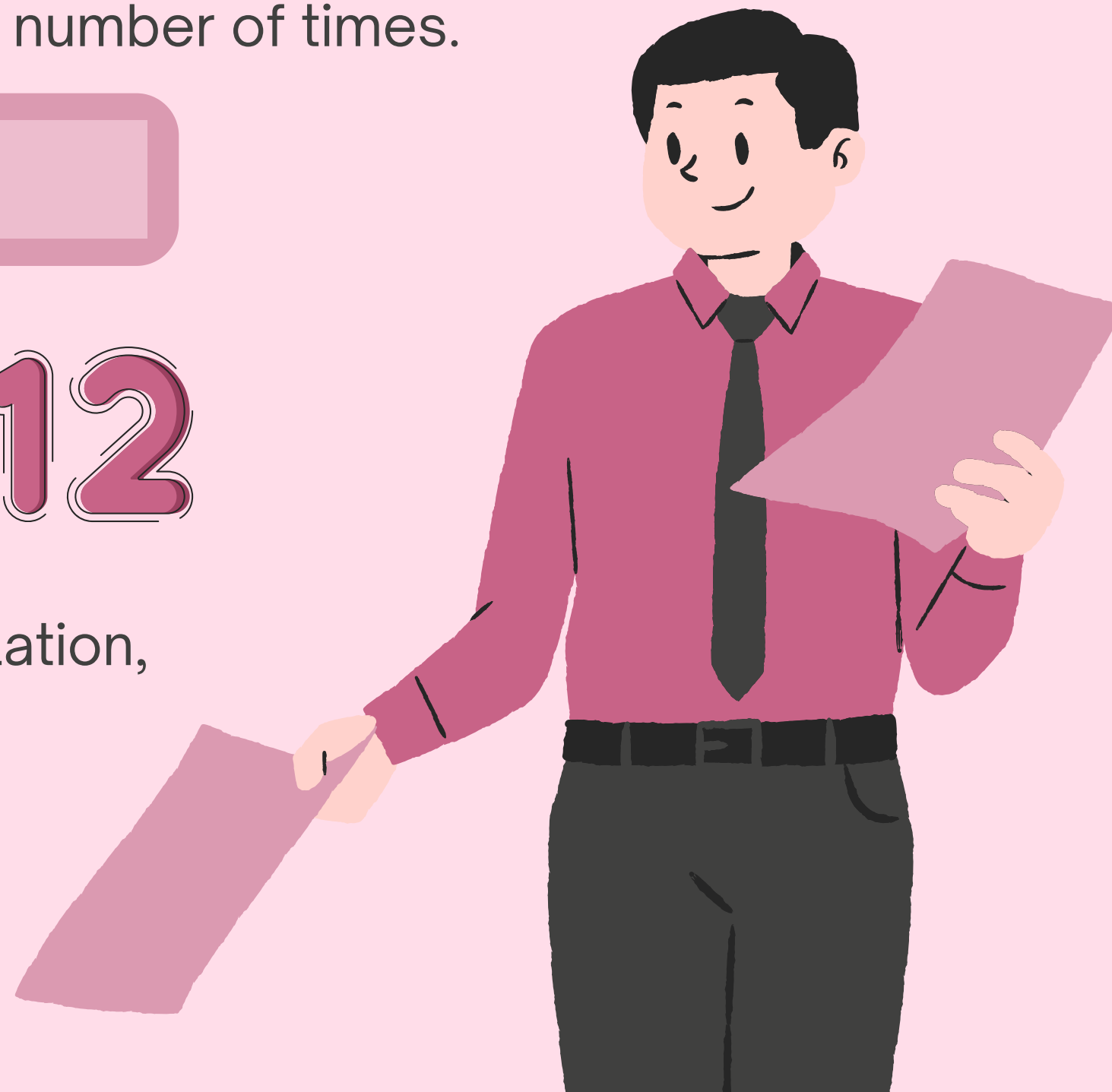


Multiplication is the process of adding a number to itself a certain number of times.

**Example :**

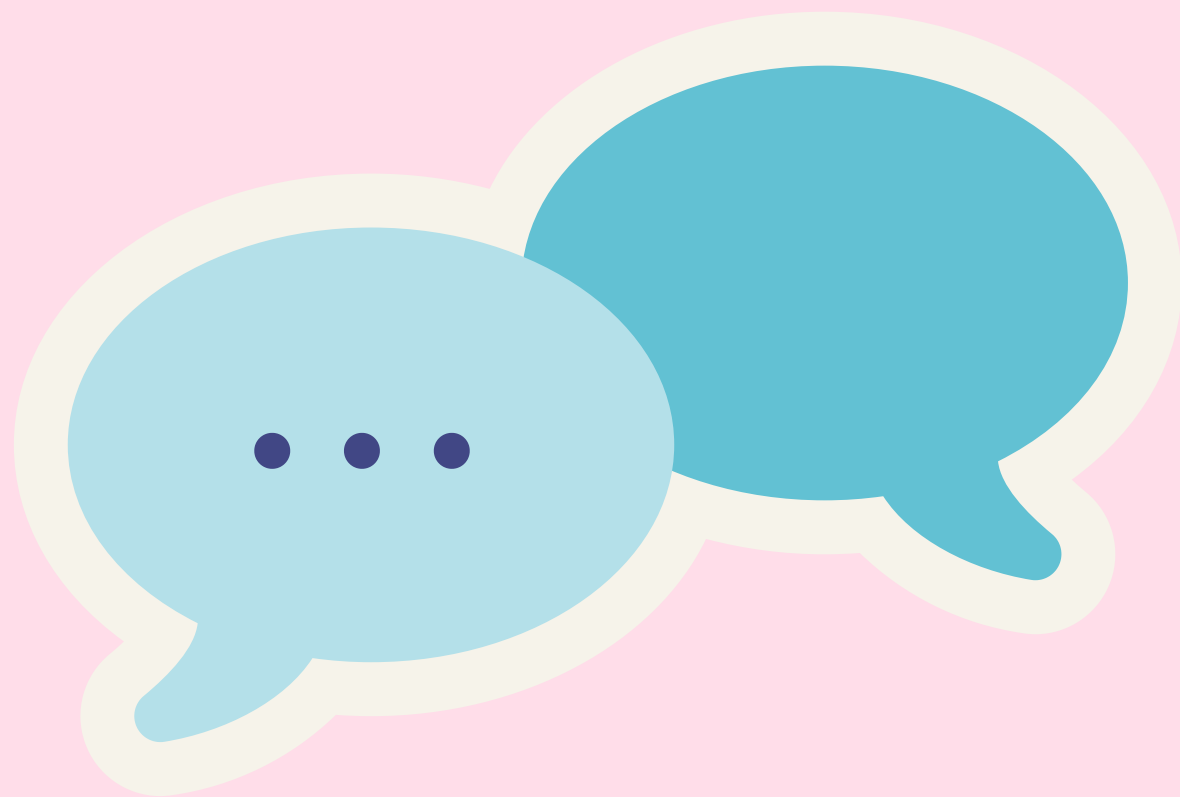
$$6 \times 2 = 12$$

Applications : Area calculation, scaling quantities, etc.



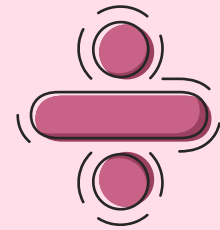


**Try explaining what you already  
know about division.**





# Division



Division is the process of splitting a number into equal parts.

**Example :**

$$12 \div 6 = 2$$

Applications : Distributing items evenly, determining rates, etc.



# Order of Operations

The order of operations dictates the correct sequence to evaluate a mathematical expression.

**Example :**

$$6 + 2 \times 3 = 24$$

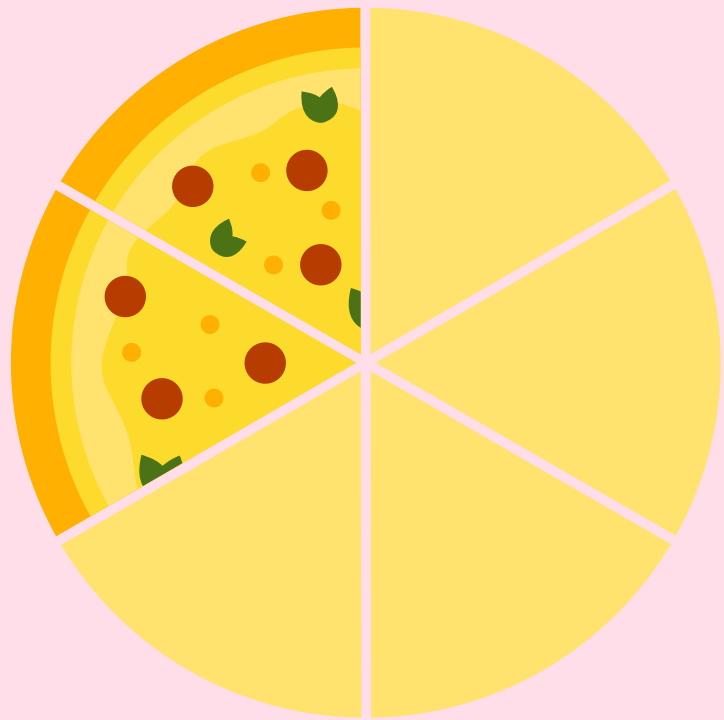
$$(6 + 2) \times 3 = 24$$

$$6 + (2 \times 3) = 12$$

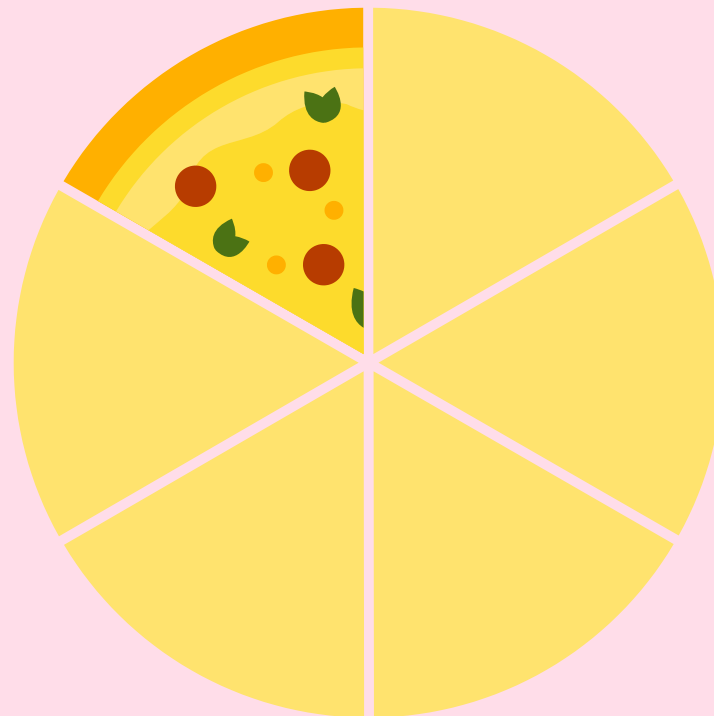
**What's the difference when the brackets change?**

# Fractions with number lines

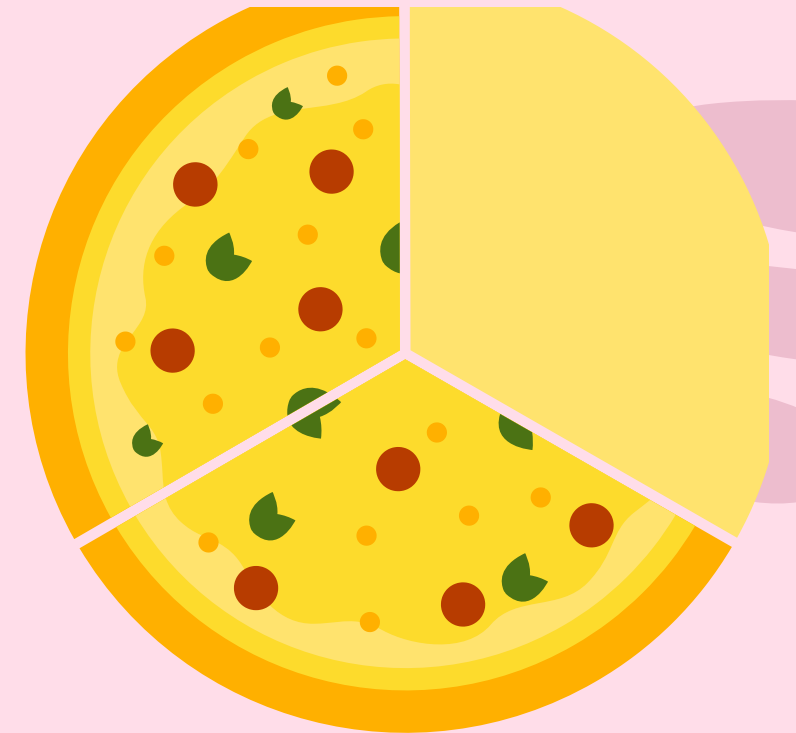
Example:



$\frac{2}{6}$



$\frac{1}{6}$



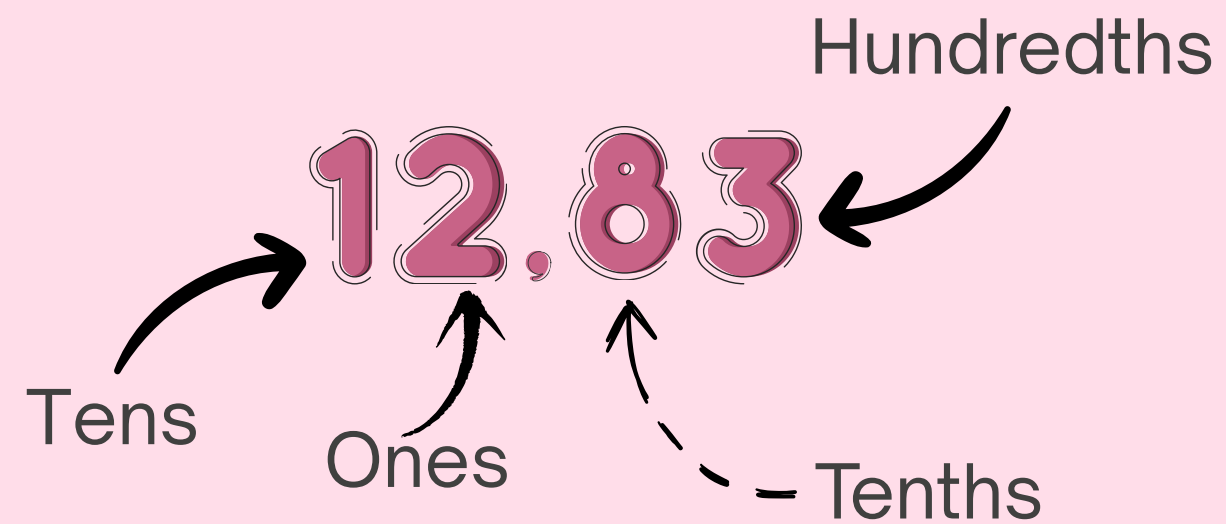
$\frac{2}{3}$



Applications : Cooking measurements, probability calculations, etc.

# Decimals

Example:



Applications : Financial transactions, scientific data, etc.



**Mood check:**  
How are you feeling today?

🌟 Feeling great

😊 Doing okay

😓 Struggling a bit

😞 Feeling overwhelmed

● Loading...

# Q&A Session and mood check time



# Homework

$126 + 245 =$

$389 + 217 =$

$64 + 78 =$

$503 + 98 =$

$327 - 189 =$

$500 - 236 =$

$84 - 46 =$

$714 - 298 =$

$6 \times 4 =$

$3 \times 9 =$

$8 \times 5 =$

$7 \times 6 =$

$12 \div 3 =$

$36 \div 6 =$

$56 \div 7 =$

$18 \div 2 =$

# Thank You!

