

Max's Magnificent Maths: Mastering Fractions

Learning objective: To identify, represent, and compare fractions, and to understand fractions as parts of a whole or a set.

Use these flashcards to test your knowledge of fractions. Max the monkey has prepared these puzzles to help you become a fraction expert. Read the front, think of your answer, then check the back!

What is the top number of a fraction called and what does it show?

The numerator; it shows how many parts of the whole we have.

What is the bottom number of a fraction called and what does it show?

The denominator; it shows how many equal parts the whole is divided into.

Max has 10 bananas. He gives 3 to Pip. What fraction of the bananas did he give away?

$\frac{3}{10}$ (three-tenths).

What is a unit fraction? Give an example.

A unit fraction is a fraction where the numerator is 1 (e.g., $\frac{1}{4}$ or $\frac{1}{8}$).

Are $\frac{2}{4}$ and $\frac{1}{2}$ equivalent fractions? Explain why.

Yes, they are equivalent because they represent the same value; $\frac{2}{4}$ is exactly half of the whole.

If you have $\frac{4}{7}$ of a pizza, how many more parts do you need to make a whole?

$\frac{3}{7}$.

Compare these two fractions: $\frac{3}{8}$ and $\frac{5}{8}$. Which is larger?

$\frac{5}{8}$ is larger because 5 parts is more than 3 parts of the same sized whole.

Write 0.7 as a fraction.

$\frac{7}{10}$.

Zara spends £2 on a pen. If the pen cost £5 originally, what fraction of the total price is £2?

$\frac{2}{5}$.

How do you represent $\frac{1}{100}$ as a decimal?

0.01.

If a whole cake is cut into 10 equal slices and Leo eats 4, what fraction is left?

$\frac{6}{10}$ (which simplifies to $\frac{3}{5}$).

Compare $\frac{1}{2}$ and $\frac{1}{4}$. Which is larger and why?

$\frac{1}{2}$ is larger because when you divide a whole into fewer parts, each part is bigger.