

Max's Mathematical Fractions Challenge

Learning objective: To consolidate understanding of equivalent fractions, improper fractions, mixed numbers, and adding fractions with the same denominator.

Use these flashcards to test your knowledge of fractions. Read the question on the front, think of your answer, then check the back to see if Max the monkey agrees with your calculation!

What is the top number of a fraction called?

The numerator, which represents how many parts of the whole we have.

Define an 'improper fraction'.

A fraction where the numerator is greater than or equal to the denominator, such as $\frac{7}{4}$.

Convert $1\frac{3}{4}$ into an improper fraction.

$\frac{7}{4}$

Find an equivalent fraction for $\frac{2}{5}$ with a denominator of 15.

$\frac{6}{15}$ (Multiply both numerator and denominator by 3).

Calculate $\frac{3}{8} + \frac{2}{8}$.

$\frac{5}{8}$

Simplify the fraction $\frac{4}{12}$ to its simplest form.

$\frac{1}{3}$

What is the value of $\frac{1}{2}$ of £1.50?

£0.75

If Max has $\frac{5}{3}$ of a banana, how would you write this as a mixed number?

$1\frac{2}{3}$

Compare $\frac{3}{4}$ and $\frac{7}{8}$. Which is larger?

$\frac{7}{8}$ is larger (because $\frac{3}{4}$ is equivalent to $\frac{6}{8}$).

Subtract $\frac{2}{7}$ from $\frac{6}{7}$.

$\frac{4}{7}$

Is $\frac{5}{10}$ equivalent to $\frac{1}{2}$? Explain why.

Yes, because both the numerator and denominator can be divided by 5 to reach $\frac{1}{2}$.

If a pizza is cut into 8 slices and you eat 3, what fraction is left?

$\frac{5}{8}$