

Reminder: **Numerator** = 1
Denominator = 4

A fraction is a part of a whole.

You can watch Mr Button's demonstration on how to calculate fractions of amounts on our Year 3 Home Learning page!



Finding fractions of amounts

$\frac{1}{2}$ of 18 =

$\frac{1}{3}$ of 15 =

$\frac{1}{4}$ of 16 =

$\frac{2}{4}$ of 24 =

$\frac{2}{3}$ of 30 =

$\frac{1}{6}$ of 12 =

$\frac{1}{5}$ of 20 =

$\frac{1}{8}$ of 16 =

$\frac{1}{10}$ of 20 =

$\frac{3}{4}$ of 16 =

Would you rather have:

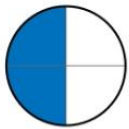
$\frac{1}{5}$ of £35?

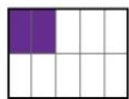
or

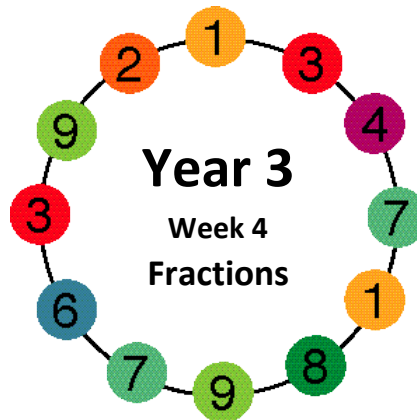
$\frac{1}{6}$ of £36?

Fractions of shapes

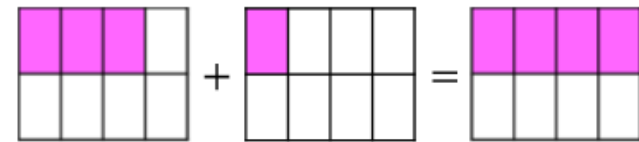
Write the fraction of each shape that is shaded:







Adding fractions



We can use this model to calculate $\frac{3}{8} + \frac{1}{8} = \frac{4}{8}$

Draw your own models to calculate

$\frac{1}{5} + \frac{2}{5} = \frac{\square}{5}$

$\frac{2}{7} + \frac{3}{7} + \frac{1}{7} = \frac{\square}{\square}$

$\frac{7}{10} + \frac{\square}{\square} = \frac{9}{10}$

Isla eats $\frac{5}{12}$ of the pizza and Lily eats $\frac{1}{12}$ of the pizza.

What fraction of the pizza do they eat altogether?

Always, Sometimes, Never

Equivalent fractions have the **same value** even if they have different denominators. If talking about fractions of a shaded shape, they take up the same amount of space. Investigate this statement from Lizzie. Can you prove it? Draw fraction pictures to help.

To find an equivalent fraction, you can just double the numerator and the denominator.



This gets tougher after the first 3 levels, but give yourself a challenge! https://phet.colorado.edu/sims/html/fraction-matcher/latest/fraction-matcher_en.html

Use the arrow keys to match fractions of amounts: https://mathsframe.co.uk/en/resources/resource/292/Mon_tys_Maths_Wall