

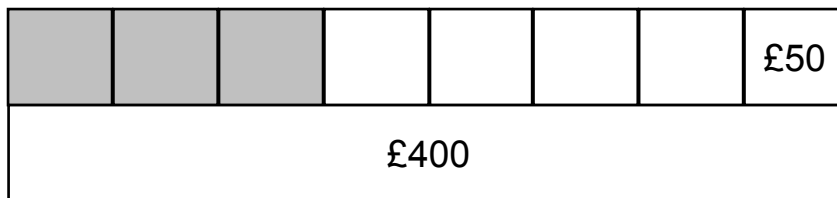
Fractions questions

1. Finding fractional parts

Typical question: Find $\frac{3}{8} \times £400$

How to answer, verbal style. The name or denominator of the fraction is eighths, so we divide the £400 by 8 to find one part. One part is £50. But, the numerator is three, so we need three parts. $£50 \times 3 = £150$.

How to answer, visual style.



Which one do you prefer?

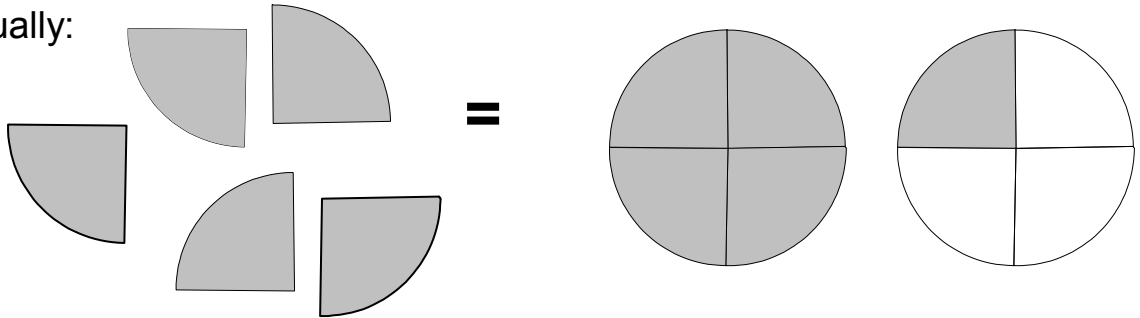
Your turn

- 1) Find $\frac{3}{10}$ of £1500
- 2) What is three quarters of ninety?
- 3) Find $\frac{2}{5}$ of 45cm
- 4) A recipe for 5 people needs 300g of pasta. How much pasta do you need for 2 people? Write this question out using fraction notation
- 5) Algernon is promised 'one third off' a new jacket. The jacket costs £60 before the reduction. What should Algernon pay for the jacket
- 6) Edna notices that oranges are 5 for £1 on the market, how much should 8 oranges cost?

2. Fractions bigger than 1

The fraction $\frac{5}{4}$ is bigger than 1. Think of the denominator as saying that you are dealing with quarters. If you have five quarters, then you can make a whole one from four of the quarters, and then there is one left over, so $\frac{5}{4} = 1\frac{1}{4}$.

Visually:



Your turn

1) Convert these fractions larger than one into 'mixed numbers'

a) $\frac{15}{9}$ b) $\frac{12}{7}$ c) $\frac{25}{9}$ d) $\frac{45}{9}$ e) $\frac{13}{2}$