



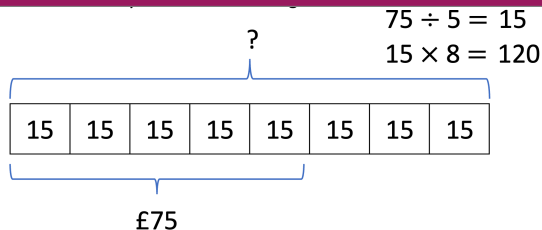
# Year 6 - Fractions B

## Key vocabulary

Fraction	A part of a whole.
Numerator	The top number in the fraction which shows how many parts you have.
Denominator	The bottom number in the fraction which shows how many equal parts the item is divided into.
Proper Fraction	A proper fraction is a fraction where the numerator is less than the denominator.
Improper Fraction	A fraction where the numerator is greater than the denominator.
Mixed Number	A number that is made up of a whole number and a fraction.
Simplified Fraction	Is a fraction in its simplest form.
Equivalent Fractions	Fractions which have the same value, even though they may look different.
Compare	The differences between numbers, quantities or values to decide if it is greater than, smaller than or equal to.
Order	To sort values in a particular pattern e.g. Smallest to Largest

## Finding the Whole

Mo gets 5/8 of his pocket money on a new bike. He spent £75



How much money did Mo have to begin with?

If five-eighths is equal to 75, then one-eighth is equal to 15 and the whole is equal to 120.

$$75 \div 5 = 15$$

$$15 \times 8 = 120$$

## Multiplying Fractions

$$\frac{2}{7} \times \frac{4}{5} = \frac{8}{35}$$

$$\frac{3}{8} \times \frac{2}{5} = \frac{6}{40} = \frac{3}{20}$$

When multiplying a pair of fractions, I need to multiply the numerators and the denominators

## Dividing Fractions

Keep, Change, Flip. This means you keep the first fraction the same, change the division sign to a multiplication sign, and then 'flip' the divisor Fractions

$$\frac{1}{2} \div \frac{1}{4}$$

KEEP      CHANGE      FLIP

$$\frac{1}{2} \times \frac{4}{1}$$

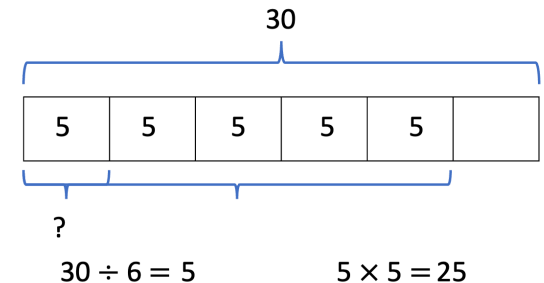
## Fraction of an Amount

How to find a fraction of an amount.

Divide the amount by the denominator

Multiply the answer by the numerator

$$\frac{5}{6} \text{ of } 30 = 25$$



$$30 \div 6 = 5$$

$$5 \times 5 = 25$$

If one-sixth is equal to 5, then five-sixths are equal to 25

