

Finding a half, a third and a quarter of a quantity

MODULE 3 · FRACTIONS AND FIRST DECIMALS NUMBER

HOW TO ANSWER TODAY

- Fraction of a quantity.** Divide the quantity by the bottom number (denominator). Multiply by the top number (numerator).

$$3/5 \text{ of } 20 \rightarrow 20 \div 5 = 4, \times 3 = 12$$

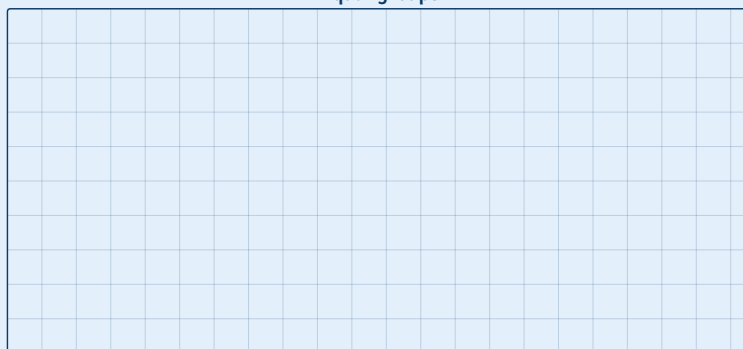
- Lowest terms.** Divide top and bottom by the same number until you can't go any further.

$$12/18 \div 6 \rightarrow 2/3$$

TRY IT ON THE LINE

Share the counters into equal groups, then read off how many in each group and what is left over.

Equal groups



1. Draw the right number of group circles and deal the dots in equally.
2. Ring any leftover and write it as the remainder.
3. Write each answer as a number sentence.

PRACTICE

1. Aoife has a packet of **80** biscuits to share at her sleepover. She gives **1/10** of the biscuits to her little brother before her friends arrive. How many biscuits does her brother get?

What is 1/10 of 80?

2. At granny's farm there are **11** calves in the back field, all the same age. **3** of the calves are black and the rest are brown. What fraction of the calves are black?

A shape is divided into 11 equal parts and 3 are shaded. What fraction of the shape is shaded?

CHALLENGE

1. **95** pupils from 3rd and 4th class are on a coach trip to the Burren in Clare. **3/5** of the pupils bring a packed lunch from home. How many pupils bring a packed lunch?

What is 3/5 of 95?

2. At Camogie training under the floodlights, the coach says **3/4** of the squad have brought their helmets. There are **20** girls at training in total. Fill in the missing number to show how many girls that is: **3/4** = ?/ **20**.