Lesson 31

Naming fractions — fifths, eighths and tenths

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 of 20 → 20 ÷ 5 = 4, × 3 = 12

TRY IT ON THE LINE

Slice and shade each circle to show the fraction.

1. Cut the first circle into the number of equal parts the fraction needs.
2. Shade the right number of parts.
3. Write the fraction underneath the circle.

PRACTICE

1. 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?

2. Aoife brings **48** biscuits to her sleepover with her cousins. The friends eat **2/3** of the biscuits before bedtime. How many biscuits do they eat?

   What is 2/3 of 48?

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. Mr Murphy's class library has a display shelf split into **15** equal sections for the books returned this week. The class wants to fill **4/5** of the shelf with returned books. How many of the **15** sections should they fill?

   To shade 4/5 of a shape divided into 15 equal parts, how many parts must be shaded?