

Fractions of a length and of a set

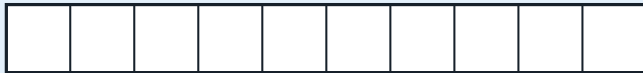
HOW TO ANSWER TODAY

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

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

TRY IT ON THE LINE

Use the fraction strips to compare and shade the fractions in the lesson.



1. Shade each fraction the lesson asks for.
2. Line two strips up to see which fraction is bigger.
3. Find two strips that shade the same amount (equivalent fractions).

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. 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?

