

Fractions and decimals review

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 $\rightarrow 20 \div 5 = 4, \times 3 = 12$
- **Compare fractions.** Make the bottom numbers (denominators) the same first. Then compare the top numbers.
 $1/4$ and $1/3 \rightarrow 3/12$ and $4/12 \rightarrow 1/4 < 1/3$
- **Equivalent fractions.** Whatever you multiply (or divide) the bottom by, do the same to the top.
 $2/5 = ?/15$. Bottom $\times 3$, so top $\times 3 \rightarrow 6/15$

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 On the school nature walk through the local park, 3rd class spot that $2/3$ of the trees along the path are oak trees. The teacher says this is the same as a fraction with 9 on the bottom. Fill in the missing number: $2/3 = ?/9$.
- 2 Before going to the yard, 3rd class line up two reading challenges on the noticeboard. The first chart shows 5.9 km read in total, and the second chart shows 9.84 km read in total. Insert $<$, $>$ or $=$ between 5.9 ____ 9.84 to compare the distances.

CHALLENGE

- 1 Aoife is at a sleepover and four friends each have a packet of biscuits. Cara has eaten $3/4$ of her packet, Oisín has eaten $7/8$, Niamh has eaten $1/5$ and Tadhg has eaten $11/12$. Order the amounts eaten from smallest to largest.
- 2 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?