

Fraction word problems in real-life contexts

MODULE 3 · FRACTIONS, DECIMALS AND PERCENTAGES 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 $\rightarrow 20 \div 5 = 4, \times 3 = 12$

WARM-UP

- a. What is $1/5$ of 25 b. What is $1/3$ of 27 c. What is $1/10$ of 50 d. What is $1/3$ of 36

PRACTICE

- 1 5th class have 80 library books to bring back to the school library across the term. On the school-bag rota, Tadhg agrees to carry $1/10$ of the books in his schoolbag this week. How many books does Tadhg carry?
What is $1/10$ of 80?
- 2 160 pupils from 5th class set off on a coach trip to the Burren in Clare. By lunchtime, $7/10$ of the pupils have filled in their nature worksheets. How many pupils have filled in their worksheets?
What is $7/10$ of 160?

CHALLENGE

- 1 120 pupils take part in the after-school Camogie training session under the floodlights. $3/5$ of the pupils are from 5th class and the rest are from 6th class. How many pupils are from 5th class?
What is $3/5$ of 120?
- 2 There are 132 pupils in 5th and 6th class altogether at the school in Galway. On Monday morning the teachers note that $7/12$ of the pupils have signed up for the Cumann na mBunscol blitz on Friday. How many pupils have signed up?
What is $7/12$ of 132?