

Finding a fraction of a quantity

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).

STRETCH PROBLEMS

- 1 **120** pupils take part in the after-school Camogie training session under the floodlights. **$\frac{3}{5}$** of the pupils are from 5th class and the rest are from 6th class. How many pupils are from 5th class?
What is $\frac{3}{5}$ of 120?
- 2 5th class are making **95** sandwiches for their school picnic at the Cliffs of Moher. **$\frac{3}{5}$** of the sandwiches are ham and cheese. How many ham and cheese sandwiches are there?
What is $\frac{3}{5}$ of 95?
- 3 There are **132** pupils in 5th and 6th class altogether at the school in Galway. On Monday morning the teachers note that **$\frac{7}{12}$** of the pupils have signed up for the Cumann na mBunscol blitz on Friday. How many pupils have signed up?
What is $\frac{7}{12}$ of 132?
- 4 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 **$\frac{1}{10}$** of the books in his schoolbag this week. How many books does Tadhg carry?
What is $\frac{1}{10}$ of 80?
- 5 **48** pupils from 5th class travel to the Burren in Clare on a coach trip. **$\frac{2}{3}$** of the pupils bring a packed lunch from home. How many pupils bring a packed lunch?
What is $\frac{2}{3}$ of 48?