

Percentages as fractions and decimals

MODULE 3 · FRACTIONS, DECIMALS AND PERCENTAGES

NUMBER

HOW TO ANSWER TODAY

- **Fraction · decimal · %.** Divide top by bottom to get a decimal. Multiply a decimal by 100 to get a percent. Write fractions in lowest terms.

$$1/4 = 0.25 = 25\% \quad 0.6 = 60\% = 3/5$$

STRETCH PROBLEMS

- 1 In Mr Byrne's 5th class library, **0.75** of the books borrowed last week were returned by Friday. Write **0.75** as a fraction in its lowest terms and as a percentage.
- 2 Mr Ó Briain's 5th class are lining up at the door before going out to the yard. He shows a **10 × 10** grid on the whiteboard and asks the class to shade **17%** of it. How many of the **100** small squares should be shaded?
- 3 Mr Ó Briain's 5th class is lining up at the door before going out to the yard. He shows the class a **10 × 10** grid on the whiteboard with **100** small squares and asks them to shade **17%** of it. How many of the small squares should be shaded?
- 4 In 5th class, **3/5** of the pupils have a turn carrying the GAA kit bag back from training each week. Write **3/5** as a decimal and as a percentage.
- 5 Saoirse and her 5th class collect autumn leaves for an art lesson in the school garden. Of all the leaves gathered, **0.75** of them are golden brown. Express **0.75** as a fraction in lowest terms and as a percentage.