Fraction of a quantity

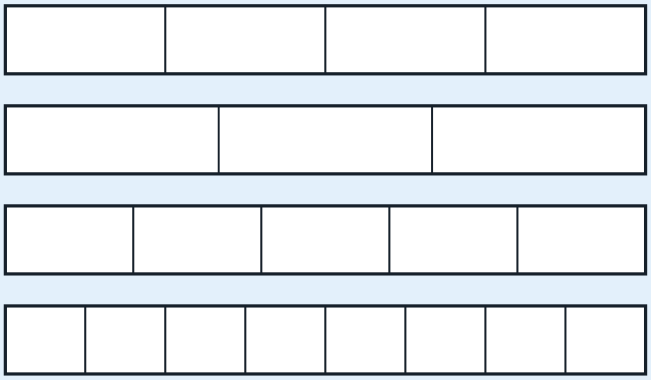
MODULE 3 · FRACTIONS, DECIMALS AND PERCENTAGES NUMBER

HOW TO ANSWER TODAY

- **Fraction of a quantity.** Divide the quantity by the bottom number (denominator). Multiply by the top number (numerator).
  3/5 of 20 → 20 ÷ 5 = 4, × 3 = 12

TRY IT ON THE LINE

Each strip represents a quantity (the whole). Divide it into equal parts, then shade the fraction asked.



1/4 of 20 = _____ (split 20 into 4 equal piles)

2/3 of 18 = _____

3/5 of 25 = _____

5/8 of 40 = _____

1. 1/4 of 20: divide 20 into 4 piles → 5 each. Shade 1 pile.
2. 2/3 of 18: 18 ÷ 3 = 6. Shade 2 piles.
3. 3/5 of 25: 25 ÷ 5 = 5. Shade 3 piles.
4. 5/8 of 40: 40 ÷ 8 = 5. Shade 5 piles.

PRACTICE

1. The school canteen has **39** cartons of milk in the fridge at the start of lunch. By the end of the lunch break, **2/3** of the cartons have been sold. How many cartons have been sold?
   What is 2/3 of 39?
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?