BLOCK E

(99) **Fraction search**

Learning objective Find fractions of numbers, quantities or shapes (e.g. $\frac{1}{5}$ of 30 plums, $\frac{3}{8}$ of a 6 by 4 rectangle)	**Resources** Paper and pencil for each child

Type of starter
Refresh

Mental strategy
Remembering to divide by the denominator and multiply by the numerator

Challenge the children to see how quickly they can answer these questions.

1. ¼ of £50
2. ½ of £23
3. $\frac{1}{3}$ of £18.99
4. $\frac{2}{3}$ of £21
5. ¾ of £30
6. $\frac{1}{8}$ of 80cm
7. $\frac{5}{8}$ of 80m
8. $\frac{1}{6}$ of 36 eggs
9. $\frac{9}{10}$ of 100 pencils
10. $\frac{1}{10}$ of £1.50

Tell the children that in questions 11–20 the larger amount is the denominator and the smaller amount is the numerator; they need to ensure both quantities are expressed in the same terms.

11. What fraction of 10 metres is 5 metres?
12. What fraction of £1.00 is 75p?
13. What fraction of 1 litre is 200ml?
14. What fraction of 5 litres is 4 litres?
15. What fraction of 1kg is 600g?

Answers

1. £12.50
2. £11.50
3. £6.33
4. £14
5. £22.50
6. 10cm
7. 50m
8. 6 eggs
9. 90 pencils
10. 15p
11. ½
12. ¾
13. $\frac{1}{5}$
14. $\frac{4}{5}$
15. $\frac{6}{10}$ or $\frac{3}{5}$