

Ratio & Proportion: Easy Practice Paper 4

Q1. Write the ratio 18 : 24 in its simplest form.

- A. 3 : 4 B. 4 : 3 C. 2 : 3 D. 5 : 6 E. 1 : 2

Q2. A recipe for 8 biscuits uses 100 g of flour. How much flour is needed for 12 biscuits?

- A. 112 g B. 125 g C. 140 g D. 150 g E. 160 g

Q3. 40 stickers are shared in the ratio 3 : 5. How many stickers are in the larger share?

- A. 5 B. 15 C. 20 D. 25 E. 32

Q4. In a box of apples the ratio of red apples to green apples is 5 : 3. There are 15 red apples. How many green apples are there?

- A. 3 B. 5 C. 9 D. 12 E. 25

Q5. Four pens cost 96p. How much do six of these pens cost?

- A. £1.20 B. £1.32 C. £1.44 D. £1.50 E. £1.92

Q6. A car travels 45 km using 5 litres of fuel. How far can it travel using 8 litres?

- A. 48 km B. 56 km C. 63 km D. 72 km E. 90 km

Q7. On a map, 1 cm represents 5 km. Two towns are 7 cm apart on the map. What is the real distance between them?

- A. 12 km B. 25 km C. 30 km D. 35 km E. 40 km

Q8. At a party the ratio of adults to children is 2 : 9. There are 6 adults. How many children are there?

- A. 13 B. 18 C. 24 D. 27 E. 36

Q9. Concrete is made by mixing cement and sand in the ratio 1 : 3. If 5 buckets of cement are used, how many buckets of sand are needed?

- A. 3 B. 8 C. 12 D. 15 E. 20

Q10. Write the ratio 30 : 45 in its simplest form.

- A. 2 : 3 B. 3 : 2 C. 1 : 2 D. 5 : 9 E. 5 : 7

Q11. 40 sweets are shared in the ratio 3 : 7. How many sweets are in the smaller share?

- A. 4 B. 10 C. 12 D. 18 E. 28

Q12. Five workers pack 100 boxes in an hour. Working at the same rate, how many boxes would 8 workers pack in an hour?

- A. 105 B. 120 C. 140 D. 160 E. 180

Q13. Write the ratio 50p to £2 in its simplest form.

- A. 1 : 4 B. 1 : 2 C. 2 : 1 D. 1 : 40 E. 25 : 1

Q14. A box of 12 eggs costs £3.00. At the same price per egg, how much would 20 eggs cost?

- A. £3.60 B. £4.00 C. £4.50 D. £5.00 E. £6.00

Q15. The sides of a rectangle are in the ratio 2 : 5. The shorter side is 6 cm. How long is the longer side?

- A. 9 cm B. 10 cm C. 12 cm D. 15 cm E. 30 cm