



Time allowed: 40 minutes • Total marks: 30 (1 mark per question)

- Circle the letter of the correct answer for each question.
- Work through the questions in order. If one is hard, move on and come back to it.
- You may use spare paper for working out. Calculators are not allowed.
- Check your answers if you finish early.

1 Work out $468 + 357$

- ☐ A 725 ☐ B 825 ☐ C 815 ☐ D 835 ☐ E 925

2 Work out $731 - 289$

- ☐ A 432 ☐ B 452 ☐ C 458 ☐ D 542 ☐ E 442

3 Work out 48×15

- ☐ A 720 ☐ B 620 ☐ C 680 ☐ D 740 ☐ E 760

4 Work out $936 \div 6$

- ☐ A 146 ☐ B 154 ☐ C 158 ☐ D 156 ☐ E 166

5 In the number 47,092, what is the value of the digit 7?

- ☐ A 7 ☐ B 70 ☐ C 7,000 ☐ D 700 ☐ E 70,000

6 Round 23,547 to the nearest thousand.

- ☐ A 23,000 ☐ B 23,500 ☐ C 23,600 ☐ D 24,000 ☐ E 25,000

7 What is two thirds of 96?

- ☐ A 64 ☐ B 32 ☐ C 48 ☐ D 60 ☐ E 66

8 Which fraction is equivalent to $\frac{3}{4}$?

- ☐ A $\frac{6}{9}$ ☐ B $\frac{3}{8}$ ☐ C $\frac{9}{12}$ ☐ D $\frac{4}{3}$ ☐ E $\frac{8}{12}$

9 Work out $4.3 - 1.85$

- ☐ A 2.35 ☐ B 2.55 ☐ C 2.65 ☐ D 3.45 ☐ E 2.4499999999999997

10 Write $\frac{3}{5}$ as a percentage.

- ☐ A 30% ☐ B 60% ☐ C 35% ☐ D 53% ☐ E 65%

11 What is 35% of 60?

- ☐ A 18 ☐ B 24 ☐ C 25 ☐ D 35 ☐ E 21

12 Paint is mixed from red and white in the ratio 2 : 7. If 45 litres are mixed, how many litres are white?

- ☐ A 10 ☐ B 14 ☐ C 35 ☐ D 18 ☐ E 28

13 What is the next number in the sequence 5, 9, 17, 33, 65, ...?

- ☐ A 97 ☐ B 129 ☐ C 113 ☐ D 131 ☐ E 133

- 14 If $4n - 7 = 29$, what is n ?
☐ A 9 ☐ B 7 ☐ C 8 ☐ D 10 ☐ E 11
-
- 15 If $y = 5x + 2$, what is y when $x = 7$?
☐ A 33 ☐ B 35 ☐ C 39 ☐ D 37 ☐ E 47
-
- 16 An isosceles triangle has an angle of 40° at the top. The other two angles are equal. How big is each of them?
☐ A 70° ☐ B 40° ☐ C 60° ☐ D 80° ☐ E 140°
-
- 17 Three angles meet at a point. Two of them are 140° and 115° . What is the third?
☐ A 95° ☐ B 115° ☐ C 125° ☐ D 105° ☐ E 205°
-
- 18 A square has a perimeter of 36 cm. What is its area?
☐ A 36 cm^2 ☐ B 54 cm^2 ☐ C 72 cm^2 ☐ D 144 cm^2 ☐ E 81 cm^2
-
- 19 A parallelogram has a base of 8 cm and a perpendicular height of 5 cm. What is its area?
☐ A 13 cm^2 ☐ B 40 cm^2 ☐ C 20 cm^2 ☐ D 26 cm^2 ☐ E 80 cm^2
-
- 20 A cuboid measures 5 cm by 3 cm by 4 cm. What is its volume?
☐ A 12 cm^3 ☐ B 24 cm^3 ☐ C 60 cm^3 ☐ D 47 cm^3 ☐ E 120 cm^3
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- 21 A coach leaves at 11:35 and the journey takes 2 hours 45 minutes. When does it arrive?
☐ A 13:20 ☐ B 14:05 ☐ C 14:20 ☐ D 14:10 ☐ E 14:35
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- 22 Three stickers cost £1.35 each. How much change do you get from £5?
☐ A 65p ☐ B 95p ☐ C £1.05 ☐ D £1.35 ☐ E £4.05
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- 23 Write 2,500 g in kilograms.
☐ A 0.25 kg ☐ B 25 kg ☐ C 250 kg ☐ D 2.5 kg ☐ E 2.05 kg
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- 24 What is the median of 5, 9, 3, 7 and 11?
☐ A 3 ☐ B 5 ☐ C 9 ☐ D 11 ☐ E 7
-
- 25 A spinner has 8 equal sections and 3 of them are red. What is the probability of landing on red?
☐ A $3/8$ ☐ B $1/3$ ☐ C $1/8$ ☐ D $3/5$ ☐ E $5/8$
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- 26 There are 45 children in a year group. Four ninths of them are girls. How many boys are there?
☐ A 20 ☐ B 24 ☐ C 27 ☐ D 25 ☐ E 36
-
- 27 A lesson starts at 08:52 and ends at 10:26. How long is it?
☐ A 1 hour 34 minutes ☐ B 1 hour 26 minutes ☐ C 1 hour 36 minutes ☐ D 1 hour 44 minutes
☐ E 2 hours 34 minutes
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- 28 Notebooks cost £2.35 and pens cost £1.80. What is the total cost of 2 notebooks and 3 pens?
☐ A £8.30 ☐ B £10.10 ☐ C £9.50 ☐ D £10.50 ☐ E £11.30
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- 29 I think of a number, multiply it by 6, then subtract 11. The answer is 43. What was my number?
☐ A 7 ☐ B 8 ☐ C 9 ☐ D 10 ☐ E 11
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30 How many edges does a cube have?

A 6

B 8

C 10

D 24

E 12

End of paper. Well done!
