



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 $527 + 562$

- ☐ A 989 ☐ B 1189 ☐ C 1079 ☐ D 1089 ☐ E 1099

2 Work out $688 - 222$

- ☐ A 476 ☐ B 456 ☐ C 466 ☐ D 566 ☐ E 464

3 Work out 44×12

- ☐ A 508 ☐ B 528 ☐ C 548 ☐ D 484 ☐ E 540

4 Work out $304 \div 4$

- ☐ A 74 ☐ B 78 ☐ C 66 ☐ D 86 ☐ E 76

5 In the number 62,798, what is the value of the digit 2?

- ☐ A 2,000 ☐ B 2 ☐ C 20 ☐ D 200 ☐ E 20,000

6 Round 6,488 to the nearest thousand.

- ☐ A 5,000 ☐ B 7,000 ☐ C 6,500 ☐ D 6,000 ☐ E 10,000

7 What is three quarters of 52?

- ☐ A 39 ☐ B 26 ☐ C 52 ☐ D 13 ☐ E 41

8 Which fraction is equivalent to $\frac{4}{5}$?

- ☐ A $\frac{16}{25}$ ☐ B $\frac{16}{20}$ ☐ C $\frac{4}{20}$ ☐ D $\frac{17}{20}$ ☐ E $\frac{20}{16}$

9 Work out $3.8 + 0.2$

- ☐ A 4.1 ☐ B 3.9 ☐ C 5.0 ☐ D 3.99 ☐ E 4.0

10 Write $\frac{8}{25}$ as a percentage.

- ☐ A 8% ☐ B 25% ☐ C 32% ☐ D 42% ☐ E 27%

11 What is 15% of 160?

- ☐ A 40 ☐ B 24 ☐ C 8 ☐ D 26 ☐ E 22

12 Maya and Tom share 50 sweets in the ratio 3 : 7. How many sweets does Tom get?

- ☐ A 15 ☐ B 5 ☐ C 40 ☐ D 35 ☐ E 30

13 What is the next number in the sequence 3, 9, 21, 45, ...?

- ☐ A 87 ☐ B 95 ☐ C 93 ☐ D 91 ☐ E 90

- 14 If $6n + 9 = 45$, what is n ?
☐ A 6 ☐ B 5 ☐ C 7 ☐ D 4 ☐ E 8
-
- 15 If $y = 3x + 4$, what is y when $x = 4$?
☐ A 14 ☐ B 18 ☐ C 12 ☐ D 20 ☐ E 16
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- 16 Two angles of a triangle are 40° and 68° . What is the third angle?
☐ A 82° ☐ B 62° ☐ C 72° ☐ D 108° ☐ E 252°
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- 17 Two angles sit together on a straight line. One is 112° . What is the other?
☐ A 78° ☐ B 58° ☐ C 248° ☐ D 72° ☐ E 68°
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- 18 A rectangle is 8 cm long and 6 cm wide. What is its perimeter?
☐ A 14 cm ☐ B 28 cm ☐ C 48 cm ☐ D 32 cm ☐ E 24 cm
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- 19 A triangle has a base of 14 cm and a height of 6 cm. What is its area?
☐ A 42 cm^2 ☐ B 84 cm^2 ☐ C 20 cm^2 ☐ D 46 cm^2 ☐ E 38 cm^2
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- 20 A cuboid measures 8 cm by 4 cm by 4 cm. What is its volume?
☐ A 16 cm^3 ☐ B 32 cm^3 ☐ C 138 cm^3 ☐ D 128 cm^3 ☐ E 118 cm^3
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- 21 A workshop starts at 11:30 and lasts 2 hours 25 minutes. When does it end?
☐ A 13:55 ☐ B 14:05 ☐ C 13:45 ☐ D 14:55 ☐ E 12:55
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- 22 Four badges cost 85p each. How much change do you get from £5.00?
☐ A £1.70 ☐ B £1.60 ☐ C £1.50 ☐ D £2.60 ☐ E £3.40
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- 23 Write 2.5 litres in millilitres.
☐ A 250 ml ☐ B 25,000 ml ☐ C 2,600 ml ☐ D 2,500 ml ☐ E 2,400 ml
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- 24 What is the mean of 13, 14, 10, 8 and 15?
☐ A 11 ☐ B 13 ☐ C 15 ☐ D 8 ☐ E 12
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- 25 A bag holds 2 red, 5 blue and 3 green marbles. One marble is picked without looking. What is the probability it is red?
☐ A $\frac{2}{8}$ ☐ B $\frac{1}{2}$ ☐ C $\frac{1}{5}$ ☐ D $\frac{2}{10}$ ☐ E $\frac{5}{10}$
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- 26 There are 45 children in a class. Two ninths of them are boys. How many girls are there?
☐ A 35 ☐ B 10 ☐ C 40 ☐ D 30 ☐ E 45
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- 27 A train leaves at 10:29 and arrives at 13:13. How long is the journey?
☐ A 2 hours 54 minutes ☐ B 2 hours 34 minutes ☐ C 3 hours 44 minutes ☐ D 2 hours 44 minutes
☐ E 1 hour 44 minutes
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- 28 Tickets cost £7.25 for an adult and £4.25 for a child. What is the total cost for 2 adults and 3 children?
☐ A £28.25 ☐ B £26.25 ☐ C £11.50 ☐ D £27.75 ☐ E £27.25
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- 29 I think of a number, divide it by 6, then add 8. The answer is 20. What was my number?
☐ A 66 ☐ B 72 ☐ C 78 ☐ D 12 ☐ E 74
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30 How many faces does a triangular prism have?

A 4

B 6

C 5

D 8

E 9

End of paper. Well done!
