



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 $744 + 645$

- ☐ A 1289 ☐ B 1489 ☐ C 1389 ☐ D 1379 ☐ E 1399

2 Work out $894 - 464$

- ☐ A 440 ☐ B 430 ☐ C 420 ☐ D 530 ☐ E 428

3 Work out 25×25

- ☐ A 625 ☐ B 605 ☐ C 645 ☐ D 600 ☐ E 650

4 Work out $672 \div 6$

- ☐ A 110 ☐ B 114 ☐ C 102 ☐ D 122 ☐ E 112

5 In the number 27,385, what is the value of the digit 8?

- ☐ A 8 ☐ B 800 ☐ C 8,000 ☐ D 80 ☐ E 80,000

6 Round 4,877 to the nearest thousand.

- ☐ A 4,000 ☐ B 6,000 ☐ C 4,500 ☐ D 5,000 ☐ E 0

7 What is four ninths of 108?

- ☐ A 48 ☐ B 36 ☐ C 60 ☐ D 12 ☐ E 50

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

- ☐ A $\frac{20}{30}$ ☐ B $\frac{20}{25}$ ☐ C $\frac{4}{25}$ ☐ D $\frac{21}{25}$ ☐ E $\frac{25}{20}$

9 Work out $5.3 + 2.48$

- ☐ A 7.88 ☐ B 7.68 ☐ C 7.78 ☐ D 8.78 ☐ E 7.77

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

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

11 What is 25% of 140?

- ☐ A 35 ☐ B 49 ☐ C 21 ☐ D 37 ☐ E 33

12 Amir and Beth share 90 sweets in the ratio 3 : 7. How many sweets does Beth get?

- ☐ A 27 ☐ B 9 ☐ C 72 ☐ D 54 ☐ E 63

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

- ☐ A 9 ☐ B 5 ☐ C 1 ☐ D 3 ☐ E 6

- 14 If $5n + 6 = 41$, what is n ?
☐ A 6 ☐ B 8 ☐ C 7 ☐ D 5 ☐ E 9
-
- 15 If $y = 3x - 6$, what is y when $x = 4$?
☐ A 4 ☐ B 6 ☐ C 8 ☐ D 12 ☐ E -1
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- 16 Two angles of a triangle are 35° and 76° . What is the third angle?
☐ A 79° ☐ B 59° ☐ C 111° ☐ D 249° ☐ E 69°
-
- 17 Two angles sit together on a straight line. One is 101° . What is the other?
☐ A 89° ☐ B 69° ☐ C 259° ☐ D 79° ☐ E 83°
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- 18 A rectangle is 11 cm long and 5 cm wide. What is its perimeter?
☐ A 16 cm ☐ B 32 cm ☐ C 55 cm ☐ D 36 cm ☐ E 28 cm
-
- 19 A parallelogram has a base of 7 cm and a perpendicular height of 4 cm. What is its area?
☐ A 28 cm^2 ☐ B 22 cm^2 ☐ C 11 cm^2 ☐ D 34 cm^2 ☐ E 30 cm^2
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- 20 A cube has edges of 4 cm. What is its volume?
☐ A 12 cm^3 ☐ B 16 cm^3 ☐ C 64 cm^3 ☐ D 96 cm^3 ☐ E 72 cm^3
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- 21 A workshop starts at 14:15 and lasts 1 hour 20 minutes. When does it end?
☐ A 15:45 ☐ B 15:25 ☐ C 15:35 ☐ D 16:35 ☐ E 14:35
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- 22 Three pencils cost 85p each. How much change do you get from £5.00?
☐ A £2.45 ☐ B £2.55 ☐ C £2.35 ☐ D £3.45 ☐ E £2.50
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- 23 Write 1.5 km in m.
☐ A 150 m ☐ B 15,000 m ☐ C 1,600 m ☐ D 1,500 m ☐ E 1,400 m
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- 24 What is the range of 15, 18, 12, 17 and 6?
☐ A 18 ☐ B 12 ☐ C 6 ☐ D 14 ☐ E 10
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- 25 A bag holds 1 yellow, 5 purple and 4 orange marbles. One marble is picked without looking. What is the probability it is yellow?
☐ A $1/9$ ☐ B $1/1$ ☐ C $5/10$ ☐ D $2/10$ ☐ E $1/10$
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- 26 There are 21 children in a class. Two sevenths of them are boys. How many girls are there?
☐ A 6 ☐ B 15 ☐ C 18 ☐ D 12 ☐ E 21
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- 27 A train leaves at 10:18 and arrives at 12:51. How long is the journey?
☐ A 2 hours 43 minutes ☐ B 2 hours 23 minutes ☐ C 3 hours 33 minutes ☐ D 1 hour 33 minutes
☐ E 2 hours 33 minutes
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- 28 Tickets cost £9.75 for an adult and £5.75 for a child. What is the total cost for 2 adults and 2 children?
☐ A £32.00 ☐ B £30.00 ☐ C £15.50 ☐ D £31.00 ☐ E £31.50
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- 29 I think of a number, divide it by 4, then add 9. The answer is 20. What was my number?
☐ A 40 ☐ B 48 ☐ C 44 ☐ D 11 ☐ E 46
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30 How many edges does a cube have?

A 12

B 6

C 8

D 10

E 24

End of paper. Well done!
