



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 $586 + 248$

- ☐ A 724 ☐ B 814 ☐ C 824 ☐ D 844 ☐ E 834

2 Work out $1,000 - 463$

- ☐ A 463 ☐ B 543 ☐ C 537 ☐ D 547 ☐ E 637

3 Work out 27×24

- ☐ A 548 ☐ B 648 ☐ C 628 ☐ D 654 ☐ E 668

4 Work out $828 \div 9$

- ☐ A 92 ☐ B 82 ☐ C 88 ☐ D 94 ☐ E 98

5 In the number 358,214, what is the value of the digit 5?

- ☐ A 5 ☐ B 500 ☐ C 5,000 ☐ D 50,000 ☐ E 500,000

6 Round 4.68 to the nearest whole number.

- ☐ A 5 ☐ B 4 ☐ C 4.6 ☐ D 4.7 ☐ E 6

7 What is five eighths of 72?

- ☐ A 27 ☐ B 36 ☐ C 40 ☐ D 45 ☐ E 63

8 Write $12/18$ in its simplest form.

- ☐ A $6/9$ ☐ B $3/4$ ☐ C $4/6$ ☐ D $1/2$ ☐ E $2/3$

9 Work out 0.9×6

- ☐ A 4.8 ☐ B 5.6 ☐ C 5.4 ☐ D 6.3 ☐ E 54

10 Write 45% as a fraction in its simplest form.

- ☐ A $45/100$ ☐ B $9/20$ ☐ C $4/5$ ☐ D $9/25$ ☐ E $5/9$

11 What is 20% of 145?

- ☐ A 25 ☐ B 27 ☐ C 29 ☐ D 31 ☐ E 45

12 Ali and Zara share 63 marbles in the ratio 5 : 4. How many does Zara get?

- ☐ A 24 ☐ B 28 ☐ C 32 ☐ D 35 ☐ E 36

13 What is the next number in the sequence 2, 6, 14, 30, 62, ...?

- ☐ A 126 ☐ B 94 ☐ C 118 ☐ D 124 ☐ E 130

- 14 If $(n + 8) \div 3 = 5$, what is n ?
☐ A 5 ☐ B 6 ☐ C 8 ☐ D 7 ☐ E 9
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- 15 If $y = 3x - 4$, what is y when $x = 9$?
☐ A 21 ☐ B 22 ☐ C 24 ☐ D 31 ☐ E 23
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- 16 One acute angle of a right angled triangle is 37° . What is the other acute angle?
☐ A 37° ☐ B 53° ☐ C 43° ☐ D 63° ☐ E 143°
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- 17 Three angles sit together on a straight line. Two of them are 48° and 67° . What is the third?
☐ A 55° ☐ B 75° ☐ C 115° ☐ D 245° ☐ E 65°
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- 18 A rectangle has an area of 54 cm^2 and a width of 6 cm. How long is it?
☐ A 7 cm ☐ B 8 cm ☐ C 21 cm ☐ D 9 cm ☐ E 48 cm
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- 19 A circle has a radius of 7 cm. What is its diameter?
☐ A 3.5 cm ☐ B 7 cm ☐ C 14 cm ☐ D 21 cm ☐ E 49 cm
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- 20 A cuboid has a volume of 96 cm^3 . Its base measures 4 cm by 6 cm. How tall is it?
☐ A 4 cm ☐ B 2 cm ☐ C 6 cm ☐ D 8 cm ☐ E 24 cm
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- 21 A hike finishes at 16:20 after lasting 3 hours 35 minutes. When did it start?
☐ A 12:15 ☐ B 12:55 ☐ C 13:15 ☐ D 12:45 ☐ E 13:45
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- 22 Four books cost £3.65 each. How much change do you get from £20?
☐ A £5.40 ☐ B £4.40 ☐ C £4.60 ☐ D £6.40 ☐ E £14.60
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- 23 Write 0.75 litres in millilitres.
☐ A 7.5 ml ☐ B 75 ml ☐ C 750 ml ☐ D 7,500 ml ☐ E 75,000 ml
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- 24 What is the range of 12, 5, 9, 20 and 7?
☐ A 5 ☐ B 9 ☐ C 12 ☐ D 20 ☐ E 15
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- 25 A bag holds 4 white, 3 black and 5 grey counters. One counter is picked without looking. What is the probability it is grey?
☐ A $1/5$ ☐ B $5/12$ ☐ C $1/3$ ☐ D $3/12$ ☐ E $5/7$
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- 26 There are 56 pupils in a year group. Three eighths of them walk to school and the rest take the bus. How many take the bus?
☐ A 21 ☐ B 35 ☐ C 24 ☐ D 32 ☐ E 42
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- 27 A play starts at 13:47 and ends at 15:31. How long is it?
☐ A 1 hour 16 minutes ☐ B 1 hour 36 minutes ☐ C 1 hour 54 minutes ☐ D 1 hour 44 minutes
☐ E 2 hours 16 minutes
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- 28 Cinema tickets cost £6.75 for an adult and £4.50 for a child. What is the total cost for 1 adult and 4 children?
☐ A £11.25 ☐ B £22.50 ☐ C £25.75 ☐ D £29.25 ☐ E £24.75
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29 I think of a number, double it, then subtract 9. The answer is 33. What was my number?

☐ A 21

☐ B 12

☐ C 15

☐ D 24

☐ E 42

30 How many vertices does a square based pyramid have?

☐ A 4

☐ B 6

☐ C 5

☐ D 7

☐ E 8

End of paper. Well done!
