



YEAR 5

Arithmetic and Problem Solving

Section A is mental arithmetic, so work without a calculator. Section B is worded problems, where showing your working matters as much as the answer.

Section A · Mental arithmetic

1 $347 + 268$ **615**

2 $1000 - 437$ **563**

3 24×15 **360**

4 $486 \div 6$ **81**

5 Find $\frac{3}{4}$ of 96 **72**

6 Find 15% of 240 **36**

7 $2.6 + 13.75$ **16.35**

8 7.2×4 **28.8**

9 $45.6 \div 8$ **5.7**

10 $12^2 - 5^2$ **119**

Section B · Problem solving

1 A book costs £4.75. How much do 6 books cost? **£28.50**

2 A train leaves at 09:47 and the journey takes 1 hour 35 minutes. At what time does it arrive? **11:22**

3 48 sweets are shared between Amir and Bella in the ratio 3 : 5. How many does each get? **Amir 18, Bella 30**

4 A rectangle is 14 cm long and 9 cm wide. Work out its perimeter and its area.
Perimeter 46 cm, Area 126 cm²

5 5 pencils cost £1.75. How much do 8 pencils cost? **£2.80**

- 6 I think of a number, double it, then add 7. The answer is 43. What was my number? **18**
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- 7 A coat costs £60.00 and is reduced by 25% in a sale. What is the sale price? **£45.00**
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- 8 A car travels at 60 km/h for 2 hours 30 minutes. How far does it travel? **150 km**
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