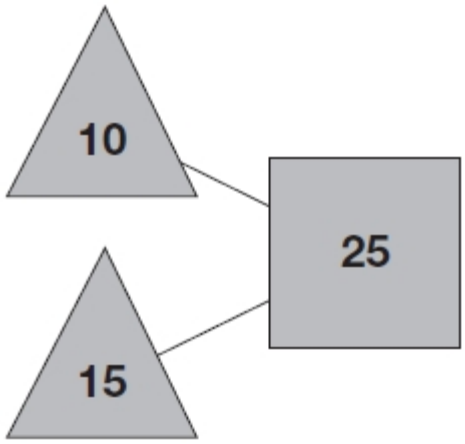
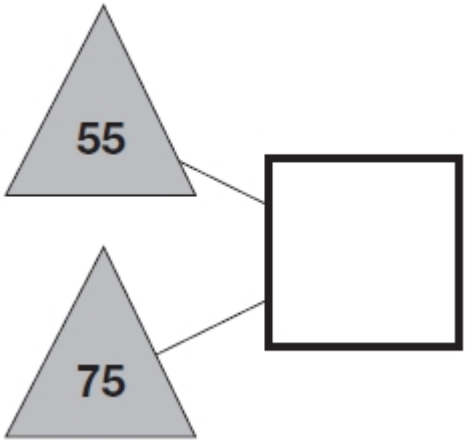
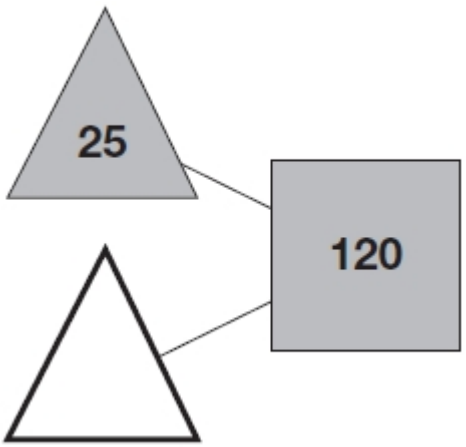
1. The numbers in the two triangles add up to the number in the square.



Using the **same** rule, write in the missing numbers.

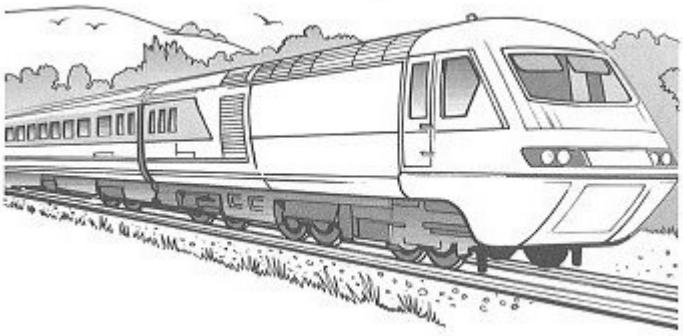


1 mark



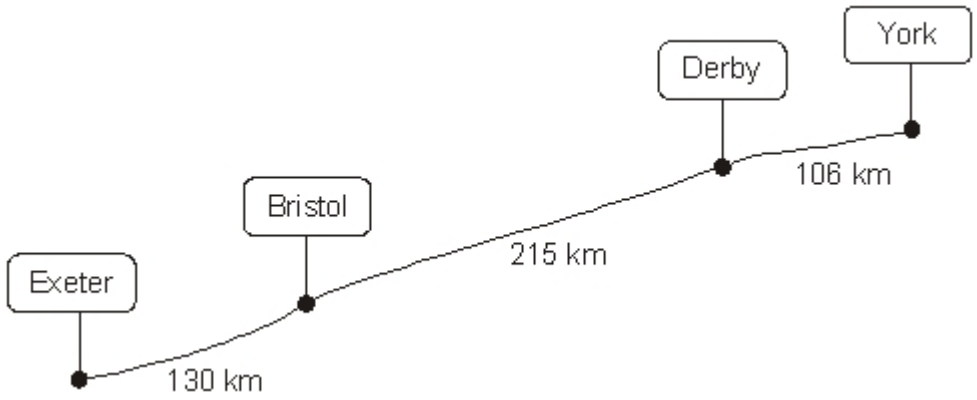
1 mark

2.



The diagram shows distances on a train journey from

Exeter to York.



How many kilometres is it altogether from **Exeter** to **York**?

km

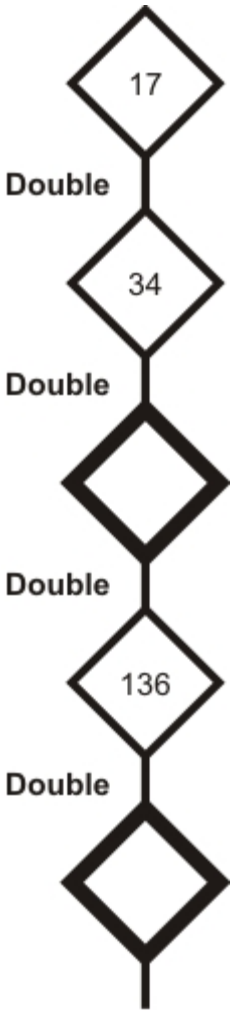
1 mark

What is the distance from **Derby** to **York** rounded to the nearest 10 km?

km

1 mark

3. Continue the sequence.



1 mark

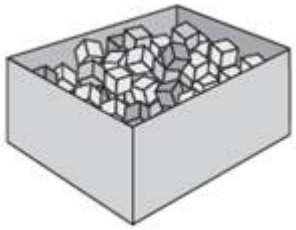
4. Write the three missing digits to make this **addition** correct.

$$\begin{array}{r} 1\ 5\ \square \\ +\ 4\ \square\ 4 \\ \hline \square\ 1\ 5 \end{array}$$

2 marks

5.

Seb has a box of **120** cubes.



He uses some of the cubes to build a tower.

77 cubes are left over.

How many cubes has he used?

1 mark

Seb has **77** cubes left over.

He builds two more towers.

One tower uses **18** cubes and the other uses **35** cubes.

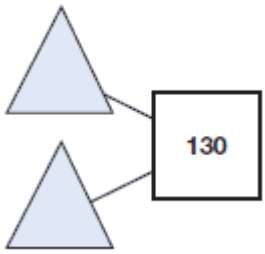
How many of his **77** cubes has he got left now?

Show your method

2 marks

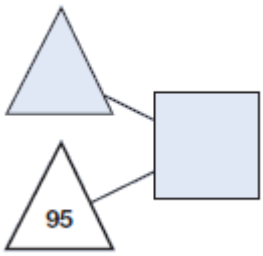
Mark schemes

1. (a)



1

(b)



1

[2]

2. (a) 451

1

(b) 110

1

[2]

3. 68 in 3rd square and 272 in 5th square.

Award the mark only if both numbers are correct.

[1]

4. Award **TWO** marks for:

$$\begin{array}{r} 1\,5\,\boxed{1} \\ +\ 4\,\boxed{6}\,4 \\ \hline \boxed{6}\,1\,5 \end{array}$$

If the answer is incorrect, award **ONE** mark for two digits correct.

Up to 2m

[2]

5. (a) 43

1

(b) Award **TWO** marks for the correct answer of 24

If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg:

- 77 − 18 − 35 = wrong answer

OR

- 35 + 18 = 53

  77 − 53 = wrong answer

*Working must be carried through to reach an answer for the award of **ONE** mark.*

Up to 2m

[3]