

1. The numbers in this sequence **increase** by 45 each time.

Write the missing numbers.

155 200 245

2 marks

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

$$\begin{array}{r} 15\boxed{\phantom{0}} \\ + 4\boxed{\phantom{0}}4 \\ \hline \boxed{\phantom{0}}15 \end{array}$$

2 marks

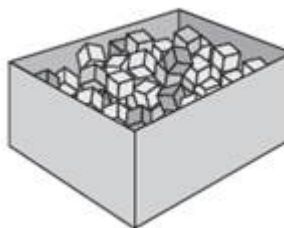
3.

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

**4.** Ken is playing a game. He has 4,289 points.

Then he scores another 355 points.

Ken's target is 6,000 points.

How many **more** points does Ken need to reach his target?

Show your method

2 marks

5.

This table shows the heights of three mountains.

Mountain	Height in metres
Mount Everest	8,848
Mount Kilimanjaro	5,895
Ben Nevis	1,344

How much higher is Mount Everest than the combined height of the other two mountains?

Show your method

m

2 marks

## Mark schemes

1.

Award **TWO** marks for three correct numbers, as shown:

**110** 155 200 245 **290** **335**

Award **ONE** mark for:

- any **TWO** numbers correctly placed

**OR**

- if box 1 is correct, accept correct follow-through for box 3 from the incorrect value in box 2.

*Do not accept misreads for this question.*

Up to 2m

[2]

2.

Award **TWO** marks for:

$$\begin{array}{r} 15\boxed{1} \\ + 4\boxed{6}4 \\ \hline \boxed{6}15 \end{array}$$

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

Up to 2m

[2]

3.

(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]

**4.**

Award **TWO** marks for the correct answer of 1,356

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.

- $4289 + 355 = 4644$   
 $6000 - 4644 =$

**OR**

- $6000 - 4289 - 355 =$

**OR**

- $6000 - 4289 = 1711$   
 $1711 - 355 =$

*Answer need not be obtained for the award of **ONE** mark.*

Up to 2 marks

[2]

**5.**

Award **TWO** marks for the correct answer of 1,609

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.

- $5,895 + 1,344 = 7,239$   
 $8,848 - 7,239$

*Answer need not be obtained for the award of **ONE** mark.*

Up to 2m

[2]