

1

The numbers in this sequence decrease by the same amount each time.

Write the missing numbers

7

4

1

-2

-5

1 mark

2

The numbers in this sequence decrease by the same amount each time.

Write the missing numbers

40

25

10

-5

-20

1 mark

3

The numbers in this sequence decrease by 12 each time.

Write the missing numbers

28

16

4

-8

-20

1 mark

4

The numbers in this sequence **decrease** by the same amount each time.

34

24

14

4

What is the next number in the sequence?

-6

1 mark

5

The numbers in this sequence **increase** by the same amount each time.

Write the missing numbers

-16

-11

-6

-1

4

9

2 marks

6

The numbers in this sequence **increase** by the same amount each time.

Write the missing numbers

-180

-130

-80

-30

20

1 mark

7

Here are the temperatures in three cities.

City	Temperature
Belfast	-2°C
Newcastle	3°C
Glasgow	-5°C

How many degrees colder was Belfast than Newcastle?

5 degrees

1 mark

The temperature in Glasgow increases by 12°C

Write down the temperature in Glasgow **after the increase**.

7 degrees

1 mark

8

Here are the temperatures in four cities and midnight and midday.

City	Temperature	
	Midnight	Midday
London	-2°C	4°C
Berlin	-9°C	-2°C
Helsinki	-11°C	-6°C
Madrid	3°C	12°C

At **midday**, how many degrees colder was Berlin than Madrid?

14 degrees

1 mark

Which city was 6°C colder at midnight than at midday?

London

1 mark

9

The temperature at 3 am on a cold day was -4°C. By 11 am the temperature had increased by 10°C.

What was the temperature at 11 am?

6°C

1 mark