

Name: _____

BennettMaths AQA 3F – Part 1

Answer **all** questions in the spaces provided.

Do not write
outside the
box

1 (a) Solve $6y = 42$

[1 mark]

$y =$ _____

1 (b) Solve $h + 8 = 35$

[1 mark]

$h =$ _____

1 (c) Solve $\frac{a}{7} = 9$

[1 mark]

$a =$ _____

2 Here is a list of numbers.

20 18 13 1 13 7 2 5

2 (a) Write down the mode.

[1 mark]

Answer _____

2 (b) Work out the median.

[2 marks]

Answer _____

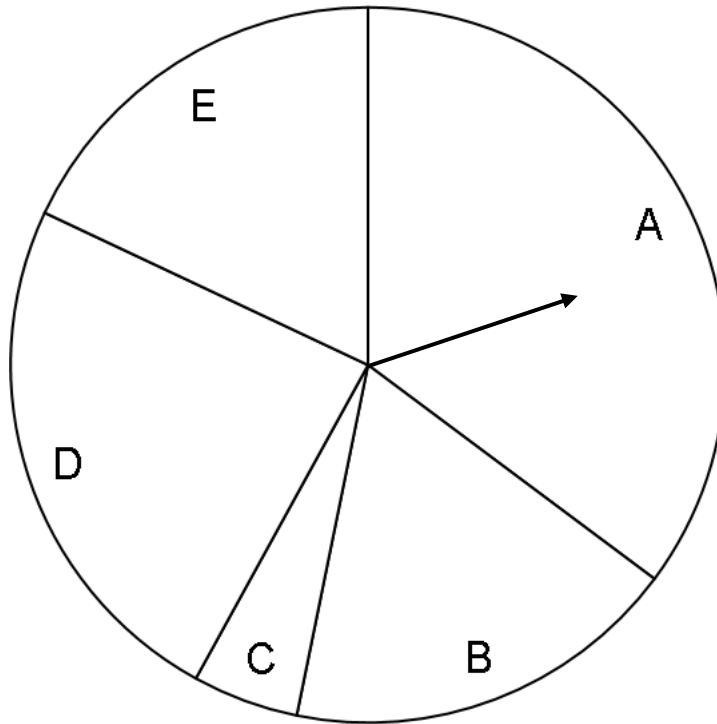
2 (c) Work out the range.

[1 mark]

Answer _____

Turn over for the next question

- 3 (a) A fair spinner with five sections is spun.



Complete these statements.

[2 marks]

The spinner is **least likely** to land on section _____

The spinner is **equally likely** to land on sections _____ and _____

3 (b) Two different spinners are spun.

One spinner has sections labelled with colours.

The other spinner has sections labelled with shapes.

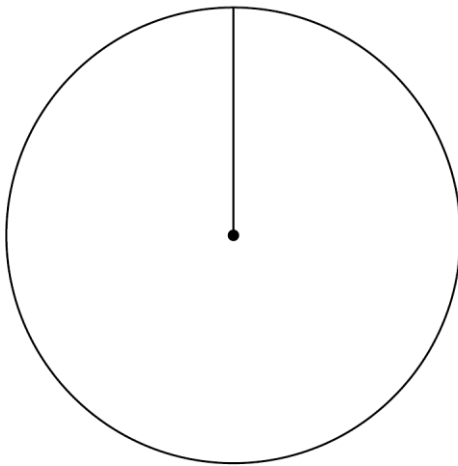
Here is a list of **all** the possible outcomes.

Red Square	Blue Square	Green Square	Yellow Square
Red Circle	Blue Circle	Green Circle	Yellow Circle
Red Triangle	Blue Triangle	Green Triangle	Yellow Triangle

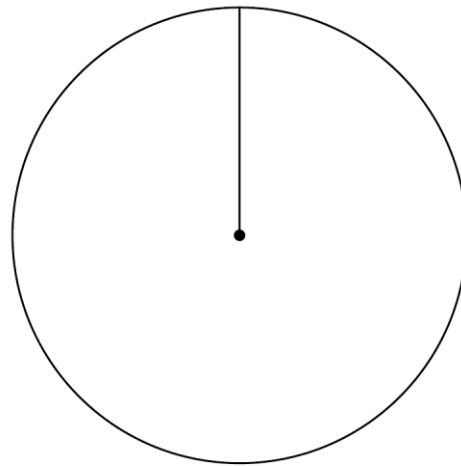
Show the possible sections on the two spinners.

[2 marks]

Colour



Shape



Turn over for the next question

- 4** A roll holds 10.5 metres of wallpaper.
3 pieces of wallpaper are cut from the roll.
Each piece is 80 centimetres long.
What length of wallpaper is left on the roll?
State the units of your answer.

[3 marks]

Answer _____

- 5 (a)** The term-to-term rule for a sequence is

add 3 then multiply by 4

The 1st term is 1

Work out the 3rd term.

[2 marks]

Answer _____

- 5 (b)** The term-to-term rule for a different sequence is

subtract 45 then divide by 5

The 2nd term is 30

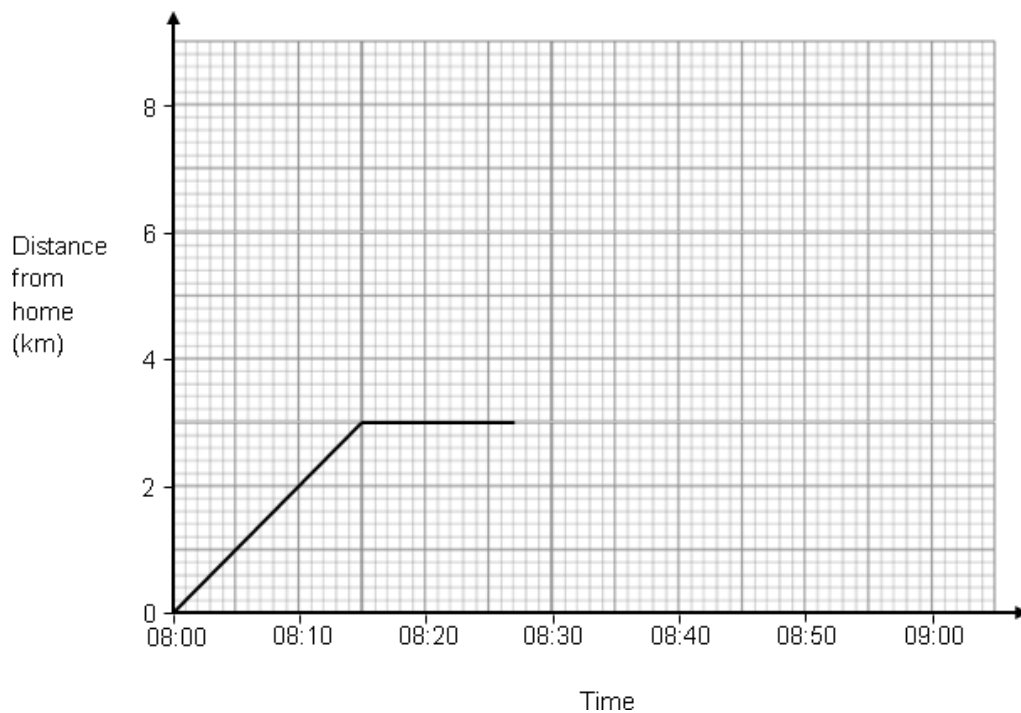
Work out the 1st term.

[2 marks]

Answer _____

Turn over for the next question

- 6** Ronnie leaves home at 08.00 to cycle to a friend's house.
Here is part of a distance-time graph of his trip.



- 6 (a)** He arrives at the friend's house at 8:15
How far is Ronnie's friend's house from his home?

[1 mark]

Answer _____ km

- 6 (b)** Ronnie leaves his friend's house at 8.27
How long does he stay at his friend's?

[1 mark]

Answer _____ minutes

- 6 (c)** Ronnie cycles home at a constant speed using the same route.
It takes him 6 minutes longer than his journey to his friend's house.
Complete the distance-time graph.

[2 marks]

- 7** This week, Anisha works
24 hours at £10.40 per hour
and
extra hours at the weekend at £15.60 per hour.

Here are the extra hours she works at the weekend.

Saturday	6 am to 10 am
Sunday	2 pm to 8 pm

In **total**, how much is she paid this week?

[4 marks]

Answer £ _____