This grid has a pattern of four circles on it.
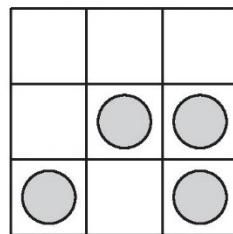

Write the letter of the grid below that has the same pattern as the grid above.
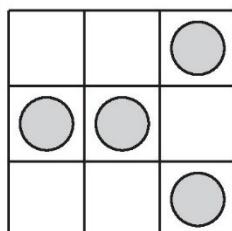
A
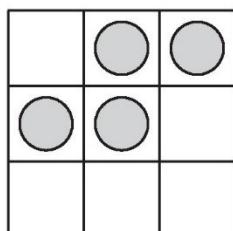
B
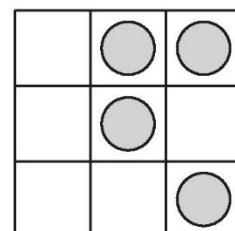
**C**
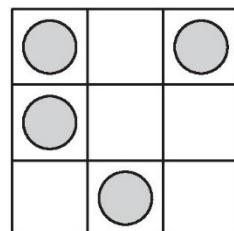
D
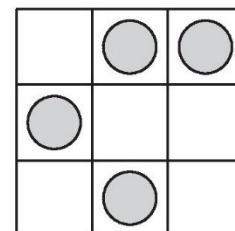
E

1

1 mark

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

Write the two missing numbers.

[ ]   610   650   690   [ ]

Total out of 3 _____

3

A shop sells T-shirts.

This chart shows how many T-shirts were sold in a month.

⬤ = 100 T-shirts

blue	⬤ ⬤ ⬤ ⬤ ⬤
red	⬤ ⬤ ⬤ ◖
white	⬤ ⬤ ⬤ ⬤ ⬤ ◕
orange	⬤ ⬤ ◖
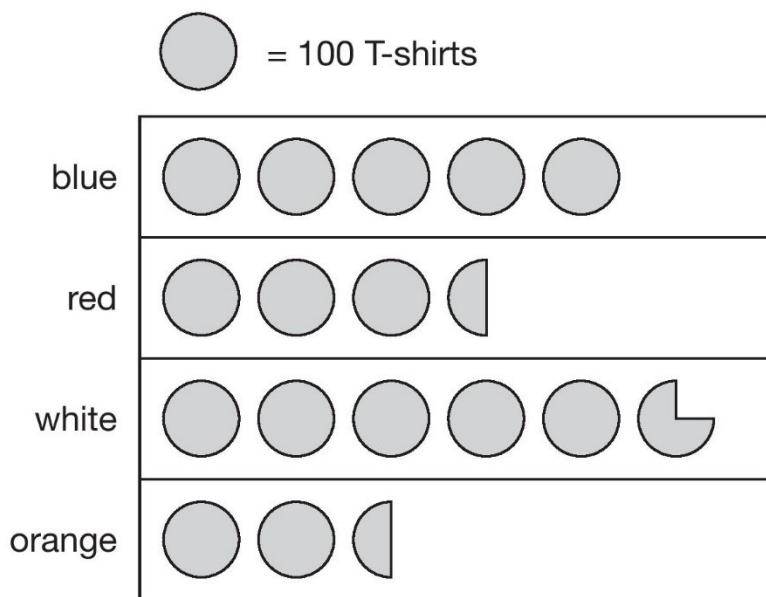
Write the colours of the T-shirts that sold **more than 400** in the month.

_____

3a

1 mark

How many red T-shirts and orange T-shirts were sold **altogether**?

3b

1 mark

How many **more** white than blue T-shirts were sold?

3c

1 mark

4

Seb has to see the doctor at 10:05 am.

He gets to the doctor's surgery at 9:52 am.

How many minutes **early** is he?

minutes

4a

1 mark

He leaves the doctor's surgery at 10:25 am.

He gets to school 45 minutes later.

What time does he arrive at school?

am

4b

1 mark

Total out of 5 _____

Write the **three** missing numbers in this multiplication grid.

| ×	8	5	
4		20	28
5	40		35
3	24	15	21

5i

_____

5ii

_____

2 marks

6

Each of these diagrams is divided into equal parts.
Some of the parts are shaded.
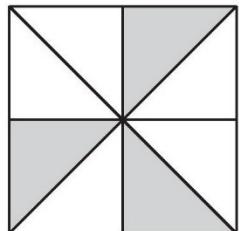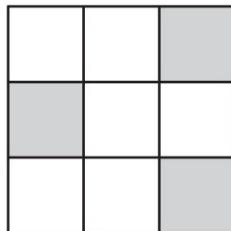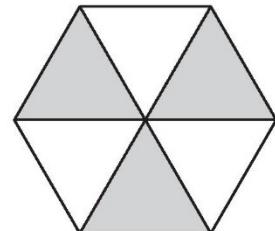

A   B   C
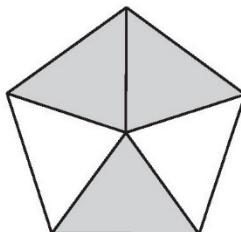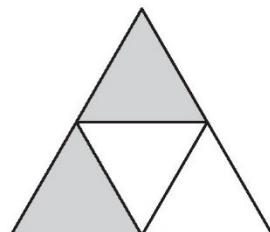
D   E

Write the letters of all the diagrams that have exactly $\frac{1}{2}$ shaded.

6a

1 mark

Which of the diagrams has exactly $\frac{1}{3}$ shaded?

6b

1 mark

Total out of 4 _____

7

Liam buys **two** apples.

He pays with a £1 coin and gets 64p change.
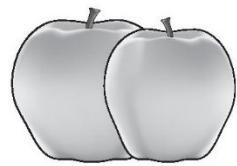
How much does **one** apple cost?

Show your working

	p

7i

7ii

2 marks

8

In this shape, one of the angles is **obtuse**.

Tick (✔) the obtuse angle.
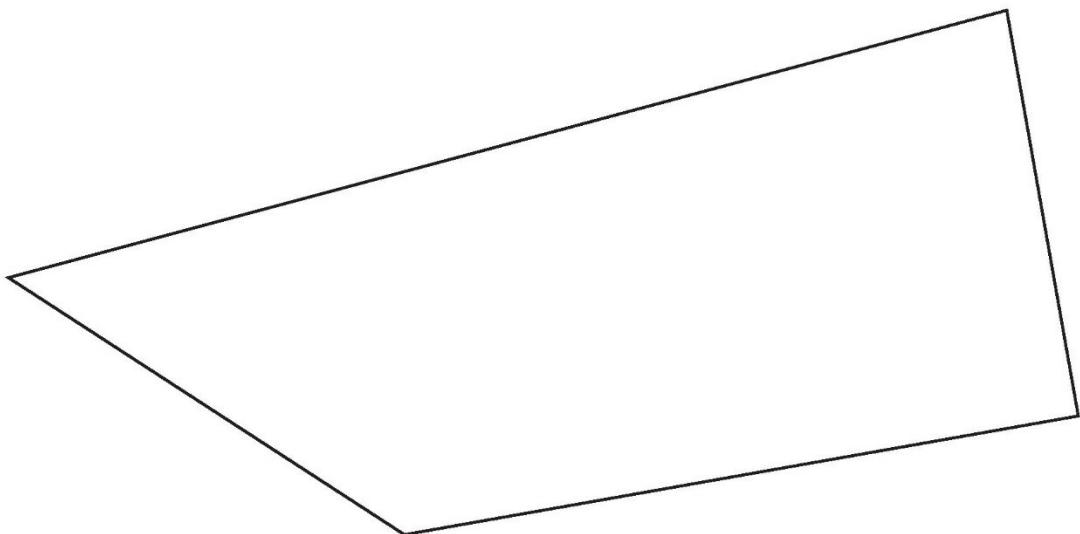
8

1 mark

9 Here is a diagram for sorting numbers.

Write **each** number in its correct place on the diagram.

$$2 \qquad 20 \qquad 201 \qquad 2000$$

| two-digit numbers | multiples of 5 | three-digit numbers |

9i

9ii
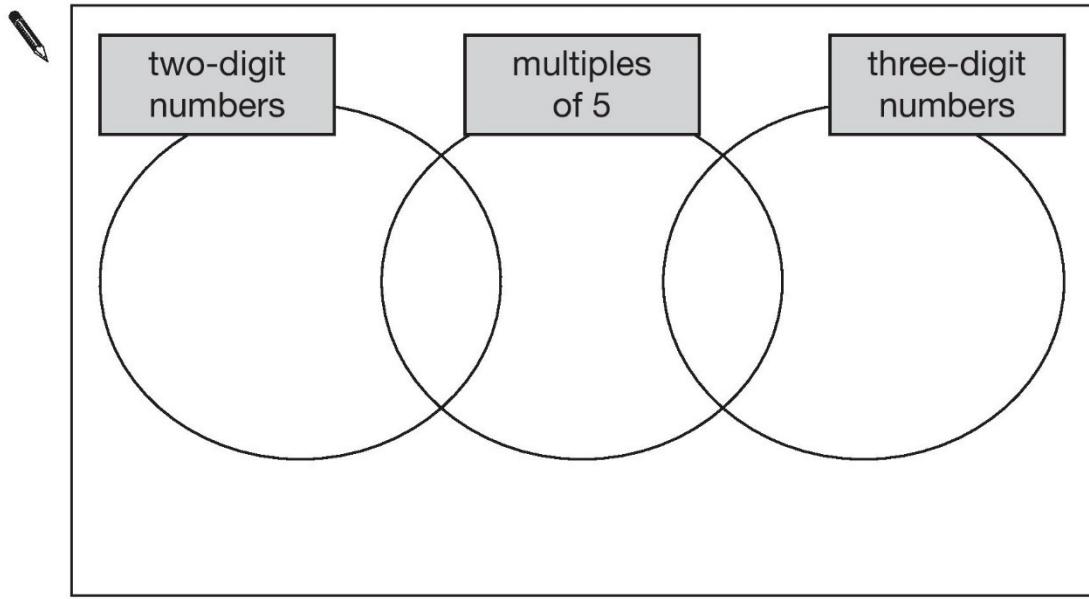
2 marks

10 Write the missing numbers to make these calculations correct.

$$200 \times \boxed{} - 200 = 200$$

1 mark

$$(100 - \boxed{}) \times 100 = 100$$

1 mark

11

Seb saved up for a new skateboard that cost £40
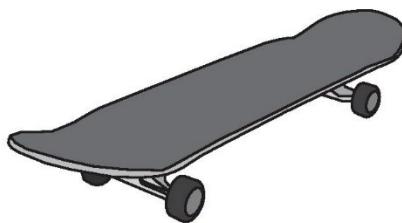
The table shows how much money he saved each week.

Week number	1	2	3	4	5	6	7	8	9	10
Amount saved	£5	£4	£2	£4	£3	£4	£6	£4	£3	£5

In which week did Seb reach **half** the amount he needed for the skateboard?

Week

11a

1 mark

If Seb had saved an extra £1 each week, in which week would he have reached his target of £40?

Week

11b

1 mark

Total out of 4 _____

12

This weather chart shows the highest and lowest temperatures in a town on five days in March.

	Temperature °C	
	highest	lowest
Monday	+7	0
Tuesday	+7	−2
Wednesday	+8	−2
Thursday	+9	+1
Friday	+4	−5

Which day has the greatest difference between the highest and the lowest temperatures?

_____

12a

1 mark

What is the difference between the lowest temperatures on Thursday and Friday?

degrees

12b

1 mark

13 Chen and Megan each buy a sandwich.

Chen gets 5p change from £2

Megan gets £2.25 change from £5

How much **more** does Megan pay than Chen?

Show your working

13i

13ii

2 marks

14 Here is a shape on a grid.
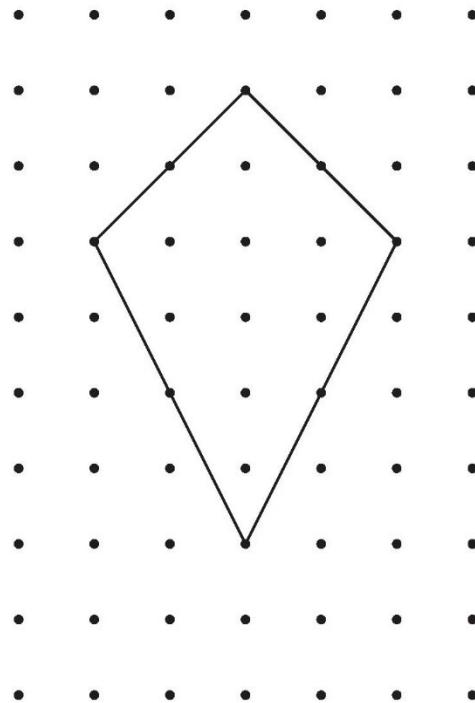
For each statement, put a tick (✓) if it is true.
Put a cross (✗) if it is not true.

The shape is a quadrilateral. ☐

The shape has 2 lines of symmetry. ☐

The shape is a parallelogram. ☐

14i

The shape has one right angle. ☐

14ii

2 marks

15

This shape is made out of four identical curves.
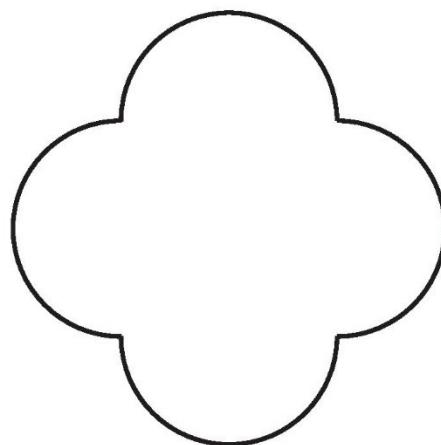
Not actual size

The perimeter of the shape is 28 centimetres.

A new shape is made out of curves of the same size.
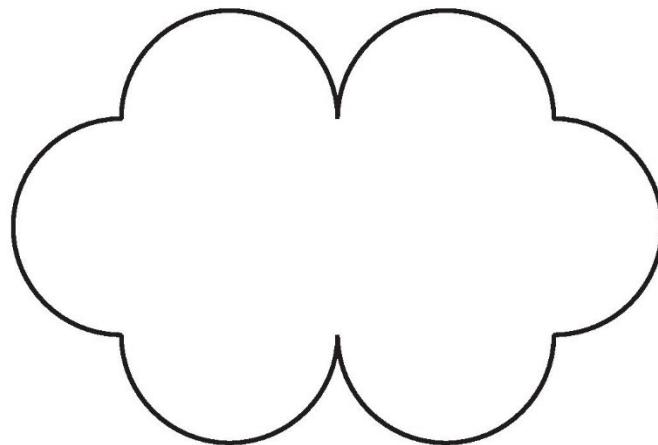
What is the perimeter of the new shape?

Show your working

	cm

15i

15ii

2 marks

Total out of 4 _____

16 Calculate **465 × 52**

Show your working

16i

16ii

2 marks

17 Write these numbers in order, starting with the smallest.

8.12   1.8   8.118   8.2   1.28

✏️ [ ] [ ] [ ] [ ] [ ]

smallest

17

1 mark

18 In this diagram, the number in each box is the **sum** of the two numbers below it.

Write the missing numbers.

✏️

$2\frac{3}{4}$ $3\frac{1}{2}$

$1\frac{1}{4}$ $2\frac{1}{4}$
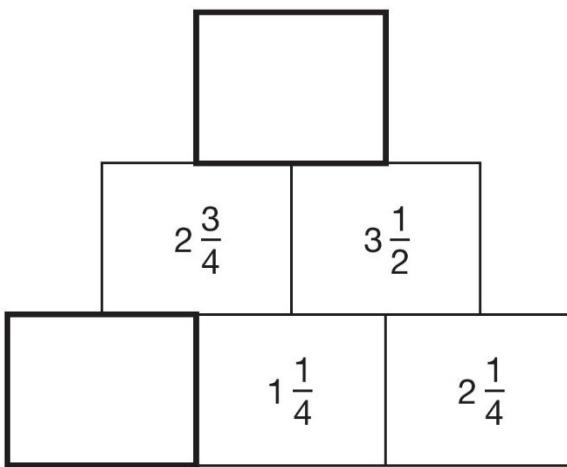
18a

1 mark

18b

1 mark

Total out of 5 _____

19 Liam did a survey of 55 people to see how many were left-handed.

Liam says,

'The results show that exactly 10% of the people in the survey are left-handed.'

Explain why Liam cannot be correct.

19

1 mark

20 Chen is cooking some pasta.

The recipe says he needs 350 grams of pasta for 4 people.
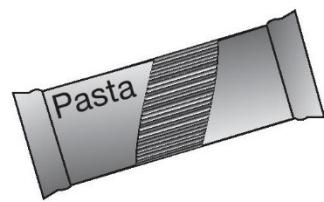
Pasta

How many **kilograms** of pasta does he need for **12 people**?

Show your working

kg

20i

20ii

2 marks

21 Chen is thinking of three numbers.

He says,

'The range is 5
The mode is 2'

What are his three numbers?

21

1 mark

22 *n* stands for a whole number.

2n is greater than 30
5n is less than 100

Write **all** the numbers that *n* stands for.

22i

_____

22ii

_____

2 marks