Test 4

Circle the letter next to the correct answer.

1 8 bags of compost cost £10. What is the cost of 15 bags?

A	B	C	D	E
£15.75	£17.75	£18.75	£11.25	£20.25

2 What value does 7 represent in 97,091?
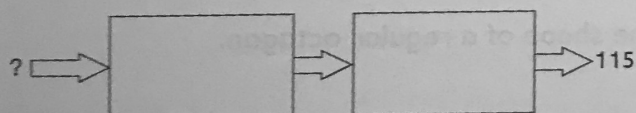
A	Hundred
B	Million
C	Hundred thousand
D	Thousand
E	Ten thousand

3 Robert is 1 m and 6 cm tall. His sister is 2.5 cm shorter than him.

What is Robert's sister's height?

A	B	C	D	E
100.5 cm	157.5 cm	103.5 cm	99.5 cm	102.5 cm

4 This number machine doubles the input number and then adds 9 to create the output number.
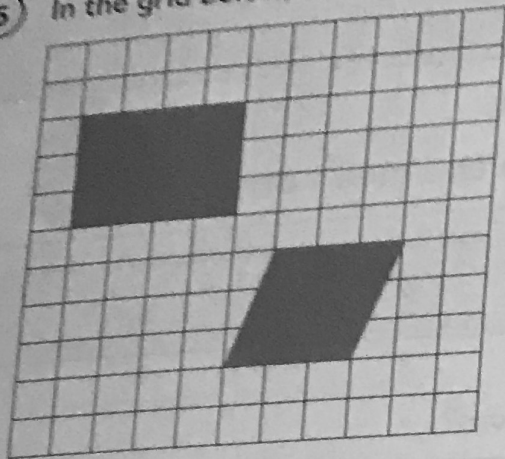
? ⟹ [ ] ⟹ [ ] ⟹ 115

What input number gives the output number shown above?

A	B	C	D	E
50	52	103	53	106

5. In the grid below, each small grid square has an area of 1 cm².

What is the difference in area between the two shapes?

A	B	C	D	E
2 cm²	4 cm²	3 cm²	6 cm²	12 cm²

6. The temperature inside a building is 7°C while the temperature outside is −4°C.

What is the difference between the temperature inside and outside?

A	B	C	D	E
5°C	11°C	3°C	28°C	10°C

7. The table below shows the amount of pocket money received by 5 children.

Denise	Rohan	Tia	Josephine	Karen
£56	£48	£12	£30	£80

What is the mean amount of pocket money received per child?

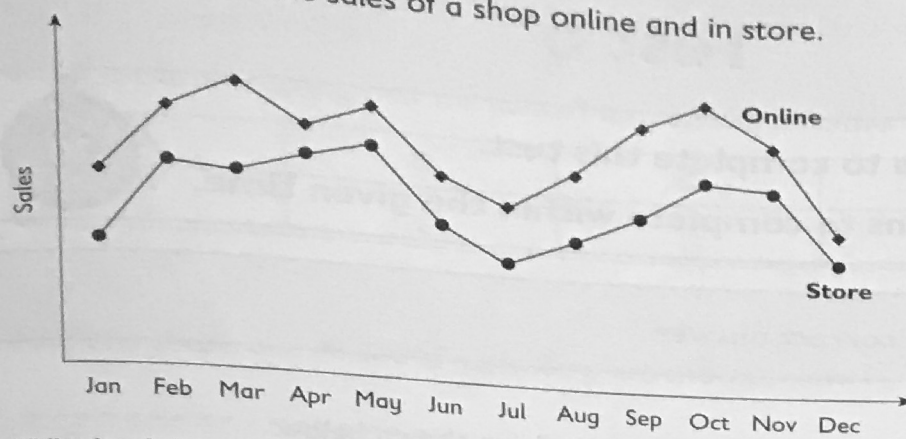| A	B	C	D	E
£45	£45.20	£41.20	£43.80	£24.80

8. The diagram below is of a dining table in the shape of a regular octagon.
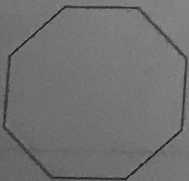
If the perimeter of the table is 3.6 m, what is the length of each side of the table?

A	B	C	D	E
41 cm	71.6 cm	30.7 cm	45 cm	32 cm

9 This chart shows the sales of a shop online and in store.

Which of these statements is FALSE?

A	Online sales have been greater than store sales.
B	Sales in store were less in July than in October.
C	Online sales were the greatest in October.
D	There was a decline in store sales from June to July.
E	Store sales have increased constantly from one month to the next.

10 a is a quarter of b.

Which of the following shows the relationship between a and b?

A	B	C	D	E
$a = 4b$	$a = \dfrac{4}{b}$	$a = \dfrac{b}{4}$	$ab = 4$	$a + b = 4$

Score: .... / 10