

Test 12

You have 10 minutes to complete this test.

You have 10 questions to complete within the given time.



Circle the letter next to the correct answer.

- 1 Figure A shows a fraction of a full circle.

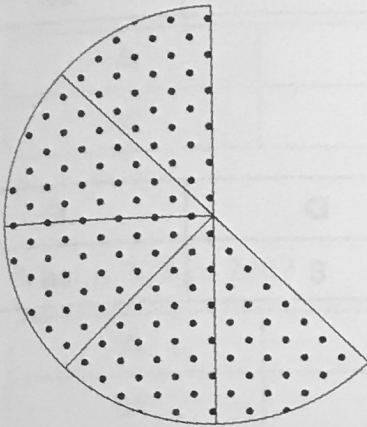
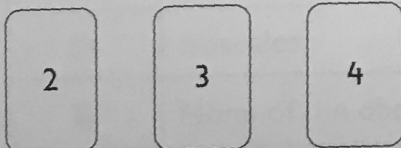


Figure A

Which of the following is equivalent to this fraction?

A	B	C	D	E
45%	72.5%	62.5%	90%	70%

- 2 Three number cards are shown below.

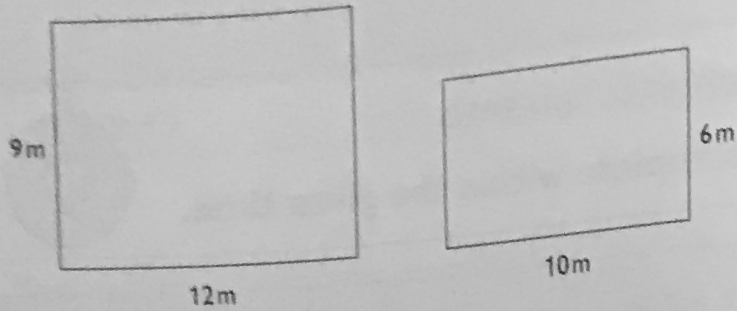


Which of these statements is FALSE?

A	The largest number made by arranging the three cards is divisible by 6.
B	The largest number made by arranging the three cards is divisible by 8.
C	All of the 3-digit numbers made by arranging the three cards are multiples of 9.
D	The smallest 3-digit number made by arranging the three cards is divisible by 29.
E	The smallest 3-digit number made by arranging the three cards is divisible by 3.

Questions continue on next page

3 The dimensions of two rectangles are shown below.



What is the difference in perimeter between the two rectangles?

A	B	C	D	E
7 m	18 m	12 m	10 m	8 m

4 Which of the following is a factor of both 28 and 32?

A	B	C	D	E
7	14	4	8	16

5 Figure C shows a polygon drawn on a centimetre grid.

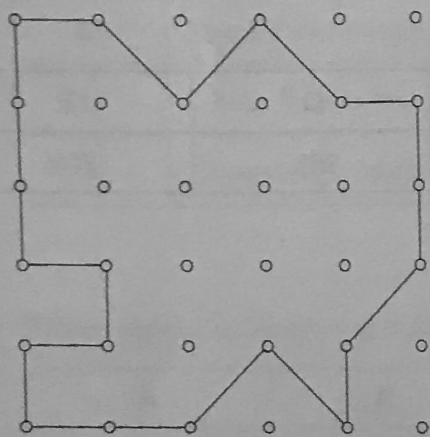


Figure C

What is the area of the polygon?

A	B	C	D	E
19 cm ²	10 cm ²	19.5 cm ²	18 cm ²	36 cm ²

6 Danny bought a bicycle for £135 and spent £15 repairing it. He then sold the bicycle for £195.

How much profit did Danny make?

A	B	C	D	E
£40	£35	£15	£45	£25

- 7 8 pillows cost £128. What is the cost of 20 pillows?

A	B	C	D	E
£300	£150	£30	£16	£320

- 8 The table below shows the number of trees in different parks in a city.

Park 1	Park 2	Park 3	Park 4	Park 5	Park 6	Park 7
43	13	69	48	111	102	118

What is the median of the number of trees?

A	B	C	D	E
43	69	13	111	102

- 9 What is 30% of 280?

A	B	C	D	E
84	28	56	24	70

- 10 If at least two angles of Triangle A measure 60° , what type of triangle is Triangle A?

A	Right-angled
B	Equilateral
C	Scalene
D	Isosceles
E	None of the above

Score: / 10