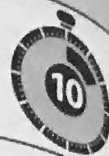


Test 3

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 John thinks of a prime number between 10 and 30. The prime number is a factor of 57. Which of these could be the number that John thinks of?

A	B	C	D	E
13	17	19	11	29

- ② Hannah's house is 520 m west of her school. Her school is 150 m east of the church. If all the three buildings are on the same straight street, what is the distance between her house and the church?

A	B	C	D	E
0.27 km	370 m	670 m	120 m	170 m

- ③ Figure A is formed from 2 regular hexagons, each with a side length of 6 cm.

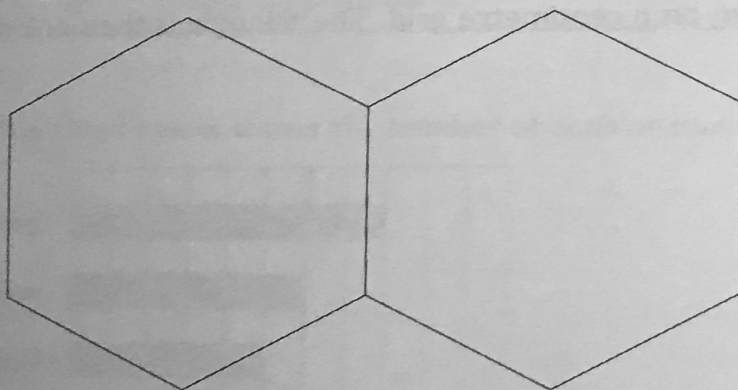


Figure A

What is the perimeter of Figure A?

A	B	C	D	E
12 cm	60 cm	66 cm	72 cm	30 cm

- 4 The angle between the minute and hour hand in a clock is 45° .

Which of the following could be the time shown on the clock?

A	B	C	D	E
03.20	12.10	02.30	04.30	05.30

- 5 Figure B is a cube covered in identical square tiles. One tile on each face of Figure B is shaded black.

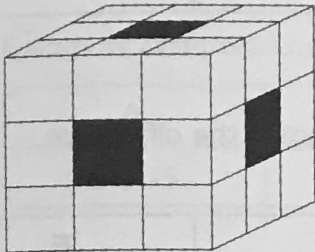


Figure B

What fraction of the surface area of Figure B is shaded black?

A	B	C	D	E
$\frac{1}{6}$	$\frac{1}{9}$	$\frac{1}{2}$	$\frac{1}{3}$	$\frac{2}{3}$

- 6 Figure C is formed from identical squares, each with a side length of 2 cm. What is the area of Figure C?

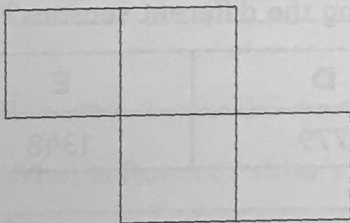


Figure C

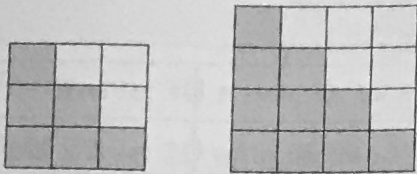
A	B	C	D	E
12 cm^2	4 cm^2	8 cm^2	16 cm^2	20 cm^2

- 7 Nina walks 2.5 miles in 20 minutes. At this rate, what distance does she walk in 1 hour?

A	B	C	D	E
5 miles	8 miles	7.5 miles	11 miles	10 miles

Questions continue on next page

- 8 A pattern is used to shade the squares within a 3×3 grid and 4×4 grid below.



How many shaded squares will there be in a 5×5 grid with the same shading pattern?

A	B	C	D	E
12	9	10	3	15

- 9 The length of a portrait is 73.5 cm while its width is 40.98 cm. What is the difference between the length and the width?

A	B	C	D	E
33.58 cm	31.52 cm	30.52 cm	38.2 cm	32.52 cm

- 10 The table below shows the number of ants in an ant colony during different seasons.

Season	Spring	Summer	Autumn	Winter
Number of ants	644	798	1021	1423

What is the range of the number of ants in the ant colony during the different seasons?

A	B	C	D	E
770	377	717	779	1348