



International
Benchmark
Tests in English,
Mathematics
& Science

Mathematics

STUDENT NAME _____

NAME OF SCHOOL _____

TEST INSTRUCTIONS

FILL IN YOUR DETAILS

Turn to your ANSWER SHEET and fill in your name, school, grade, section, today's date, your date of birth and gender.

ANSWERING QUESTIONS

Go to the MATHEMATICS ANSWER SHEET.

This test has **40 QUESTIONS**. Each question has four possible options.

Choose the **BEST** answer from the four options, **A, B, C** or **D**.

FILL in **ONE** circle on your answer sheet with a pencil.

If you make a mistake, erase the pencil mark and fill in a different circle.

You must colour the entire circle as shown below:

Correct response



Incorrect responses



Line



Very light pencil



Pen



Colored pencil

Marks are NOT deducted for incorrect answers.

ALL ANSWERS SHOULD BE MARKED ON YOUR ANSWER SHEET ONLY.

EQUIPMENT ALLOWED IN THIS TEST

You may use a 2B or B pencil for this test. You may NOT use a calculator for this test.

TIME ALLOWED FOR TEST

The time allowed to complete this test is **60 minutes**.

1 Three 50 centimetre rulers are placed on a line.



What is the total length?

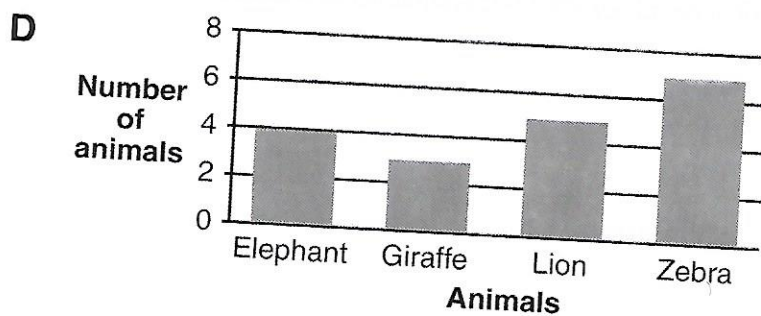
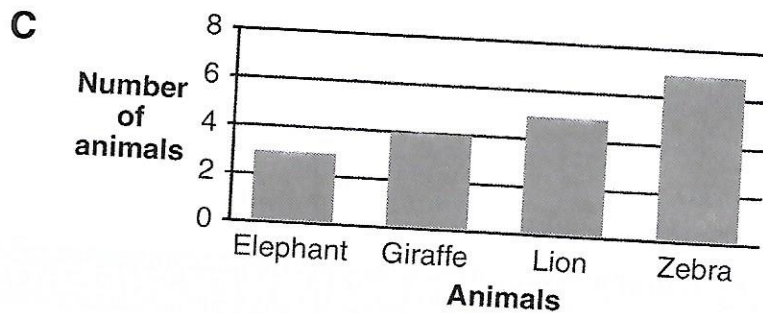
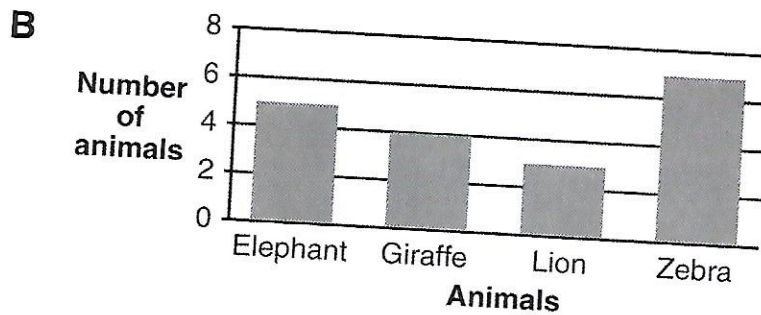
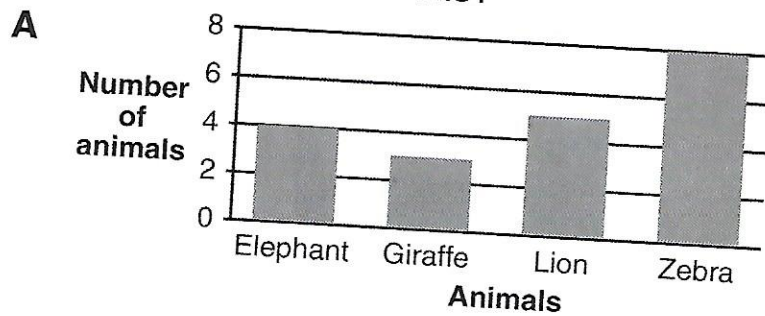
50 cm
A

1 m
B

1 m 50 cm
C

15 m
D

2 In a zoo there are 5 lions, 4 elephants, 3 giraffes and 7 zebras. Which bar graph shows this?



3 How many tens are there in 5482?

48
A

82
B

482
C

548
D

4 This table shows the number of trees planted by four children.

Name	Number of trees planted
------	-------------------------

Ava



Sophie




Lucy



Zed



Key:  = 1 tree

How many trees did Sophia and Lucy plant altogether?

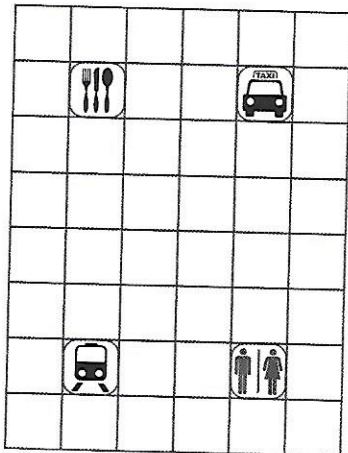
4
A


6
B

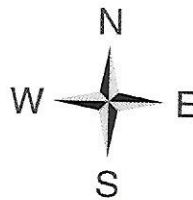
7
C

14
D

5 A woman walks from the train station to the restaurant.



Toilet	
Taxi Stand	
Restaurant	
Train Station	



In which direction does she walk?

North
A

South
B

East
C

West
D

- 6** Ten children are asked what type of movies they like.

Here are their choices.

*cartoons, fairy tales, ghost movies, comedies, comedies,
ghost movies, ghost movies, comedies, comedies, fairy tales*

Which choice is most popular?

cartoons
A

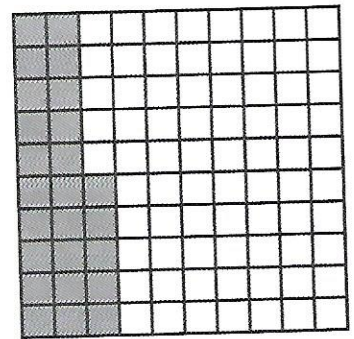
fairy tales
B

ghost movies
C

comedies
D

- 7** This grid has 100 squares; 25 of the squares are shaded.

What fraction of the grid is shaded?



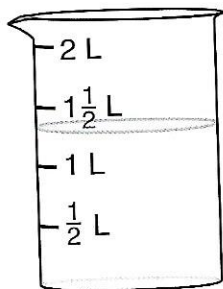
$\frac{2}{5}$
A

$\frac{1}{4}$
B

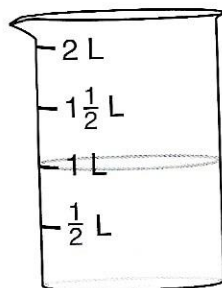
$\frac{3}{10}$
C

$\frac{20}{100}$
D

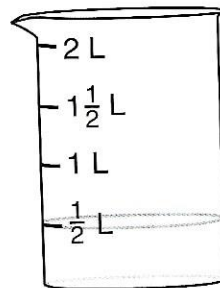
- 8** Which jug contains half a litre of water?



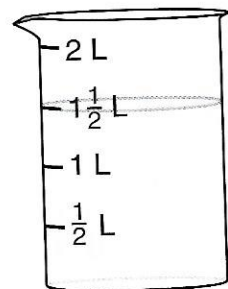
A



B

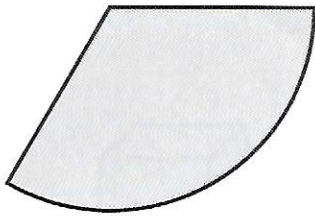


C



D

- 9 This piece is one-third of a circle.



How many of these pieces make a whole circle?

- | | | | |
|----------|----------|----------|----------|
| 1 | 2 | 3 | 4 |
| A | B | C | D |
-

- 10 About how much sugar is on this teaspoon?



- | | | | |
|----------|----------|-------------|----------|
| 4 grams | 4 litres | 4 kilograms | 4 metres |
| A | B | C | D |
-

11 $26 - 6 = 12 + \square$

What is the missing number?

- | | | | |
|----------|----------|----------|----------|
| 6 | 8 | 20 | 32 |
| A | B | C | D |
-

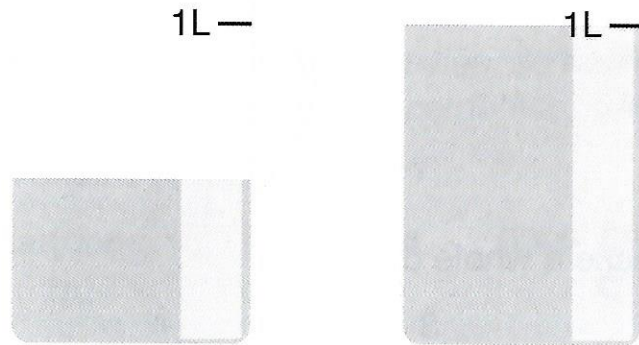
- 12 345 chairs are put in rows.

There are 15 chairs in each row.

How many rows are there?

- | | | | |
|----------|----------|----------|----------|
| 15 | 23 | 203 | 3175 |
| A | B | C | D |

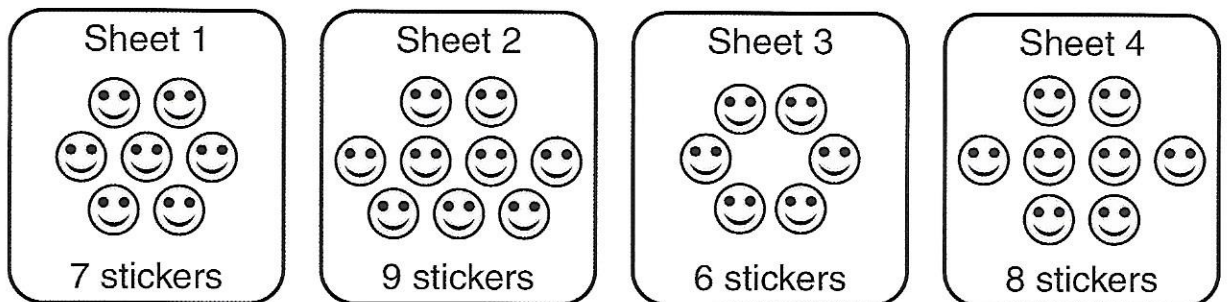
- 13** These containers can hold one litre of lemonade each.



How much lemonade is there in total?

- A half a litre
- B one litre
- C one and a half litres
- D two litres

- 14**

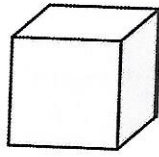


Jaya took all the stickers from two of the sheets and then put them in two equal groups.

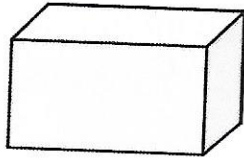
Which two sheets could she have used?

- A Sheet 1 and Sheet 2
- B Sheet 2 and Sheet 3
- C Sheet 2 and Sheet 4
- D Sheet 1 and Sheet 4

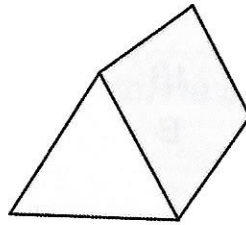
15 Which shape's faces are all the same size?



A



B

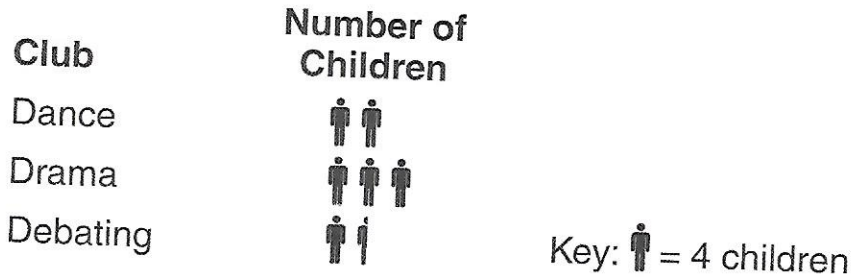


C



D

16 This graph shows the number of children going to different school clubs.



How many children take part in a club?

7

A

24

B

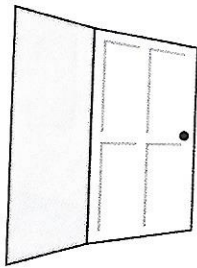
26

C

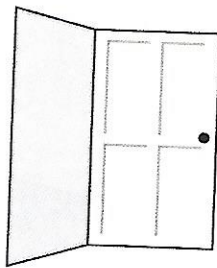
28

D

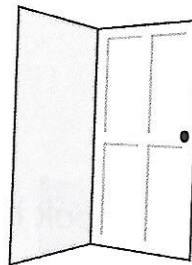
17 Which door is open at the greatest angle?



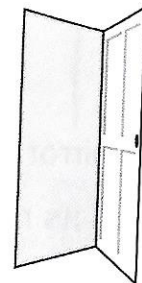
A



B



C

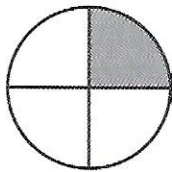


D

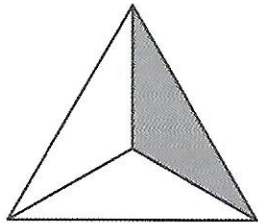
- 18** There are 52 balloons.
A girl ties them in four equal groups.
How many balloons are in each group?

4 13 48 108
A **B** **C** **D**

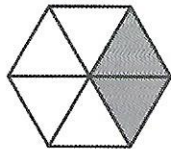
- 19** This picture shows one-quarter.



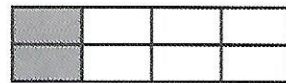
Which of these also shows one-quarter?



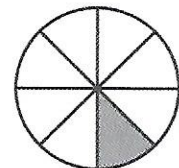
A



B

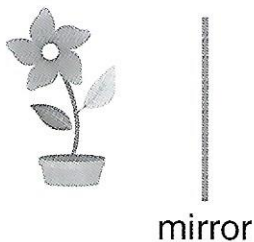


C



D

- 20** A flower pot is placed in front of a mirror as shown.



What does its mirror image look like?



A



B

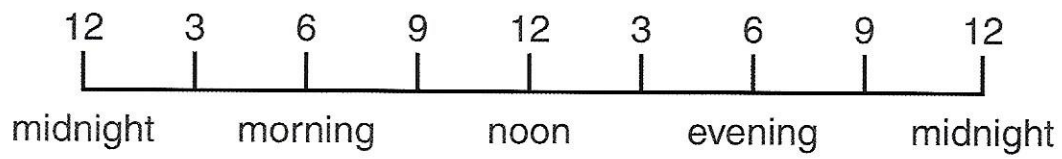


C



D

21



A boy went to an amusement park at 9 am. He came back after 6 hours. What time did he come back?

- A 3 am
- B 3 pm
- C 6 pm
- D 9 am

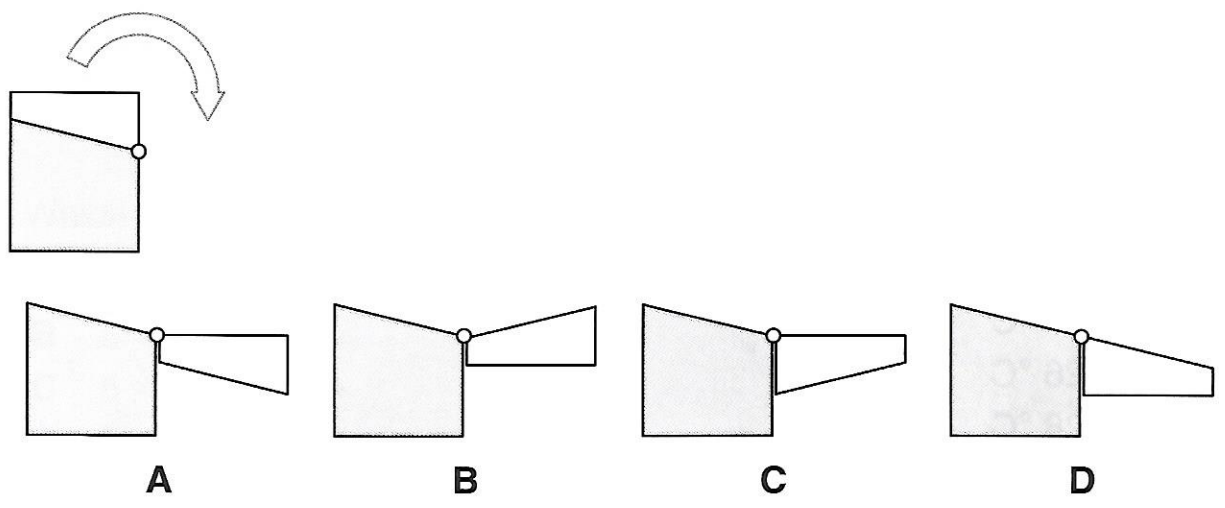
22

The heights of five students are:
120 cm, 132 cm, 140 cm, 125 cm, 130 cm.
Which graph best shows their heights?

- A bar graph
- B tally chart
- C pictograph
- D circle graph

23

What does this box look like when it is opened?



24 $10 \times 6 \div 4 =$

4

15

56

60

A

B

C

D

25 The winner of a game of table tennis is the first player to score 21 points. John and Harry played 7 games of table tennis as shown.

Game	1	2	3	4	5	6	7
John	17	21	15	19	21	21	19
Harry	21	19	21	21	18	15	21

How many games did Harry win?

5

4

3

2

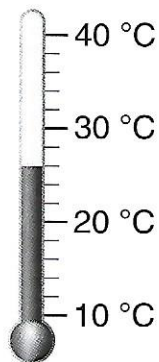
A

B

C

D

26



What temperature does this thermometer show?

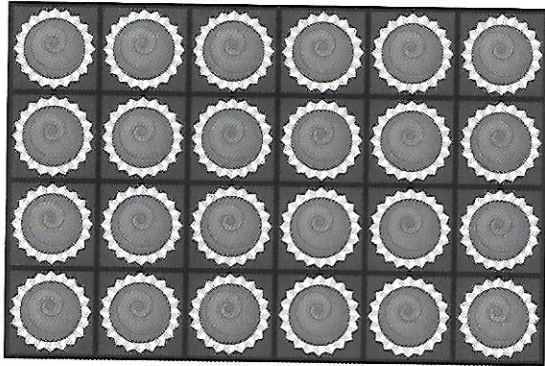
A 23 °C

B 24 °C

C 26 °C

D 28 °C

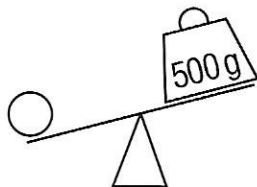
- 27** This picture shows a box of chocolates.



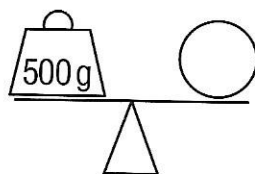
Which number sentence best matches the picture?

- A** $2 \times 12 = 24$
- B** $4 + 4 + 4 + 4 = 16$
- C** $4 + 6 = 10$
- D** $4 \times 6 = 24$

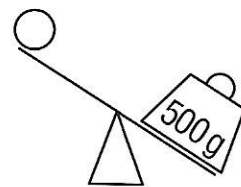
-
- 28** Which ball weighs the most?



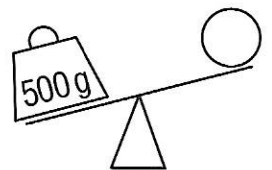
A



B



C



D

-
- 29** Which number sentence does **not** equal 50?

- A** $5 \times 7 + 5 \times 3 =$
- B** $5 \times 8 + 5 \times 2 =$
- C** $5 \times 7 + 5 \times 4 =$
- D** $5 \times 9 + 5 \times 1 =$

30 Kayla is writing numbers in a pattern.

She adds the same number each time to get the next number.

23 28 33 37 43

Which number does not follow the pattern?

28

A

33

B

37

C

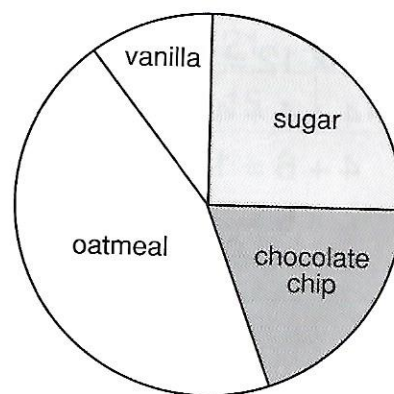
43

D

31 This chart shows the types of cookies sold by the local bakery.

Which type of cookie did the bakery sell most?

Cookies Sold



sugar

A

vanilla

B

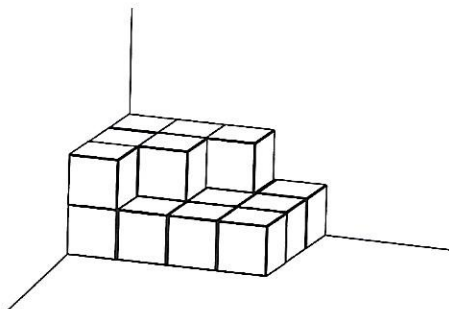
chocolate chip

C

oatmeal

D

32



Ann stacks these boxes in the corner of the room. All the boxes are the same size.

How many boxes does she use?

25

A

19

B

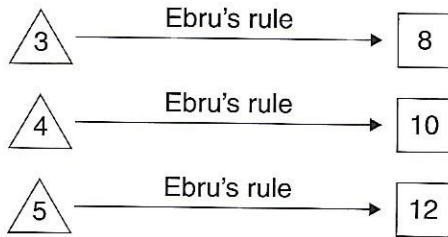
18

C

13

D

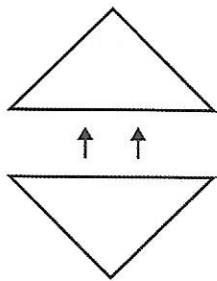
33 Ebru used a rule to get the number in the \square from the number in the \triangle .



What was the rule?

- A Multiply by 1 then add 5.
- B Multiply by 2 then add 2.
- C Multiply by 3 then subtract 1.
- D Multiply by 4 then subtract 4.

34 Two triangles are joined together like this.



What is the new shape?

- | | | | |
|----------|---------------|----------|----------|
| triangle | parallelogram | hexagon | star |
| A | B | C | D |

35

$$\begin{array}{r} 278 \\ + \square 34 \\ \hline 712 \end{array}$$

What is the missing digit?

- | | | | |
|----------|----------|----------|----------|
| 4 | 5 | 8 | 9 |
| A | B | C | D |

36 What fraction of these stars are grey?



$$\frac{1}{2}$$

A

$$\frac{1}{3}$$

B

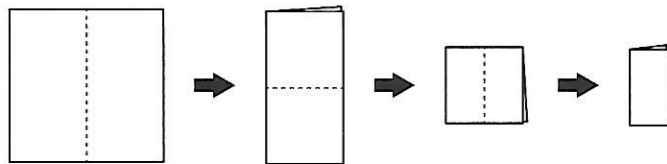
$$\frac{1}{4}$$

C

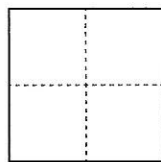
$$\frac{1}{12}$$

D

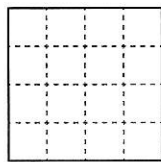
37 A square of paper is folded in half along the dashed line. Then it is folded in half two more times as shown.



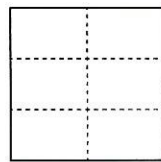
What will the paper look like when unfolded?



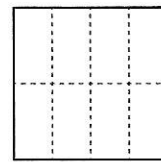
A



B



C



D

38 A football team played 20 matches. This chart shows their results. The wins and losses have been recorded. How many draws did the team have?

Win	
Loss	
Draw	



A



B

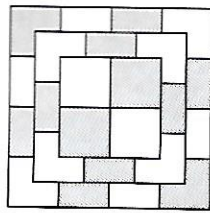
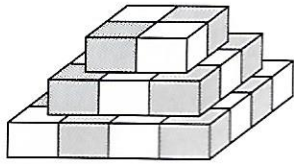


C

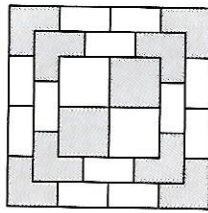


D

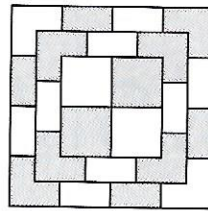
39 What does this stack look like from above?



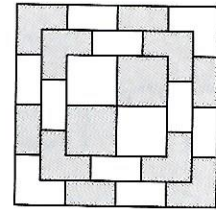
A



B

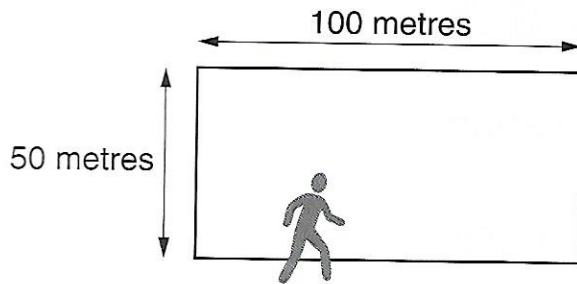


C



D

40 A man runs two times around the outside of this park.



How far does he run?

- A** 150 metres
- B** 300 metres
- C** 600 metres
- D** 5000 metres

