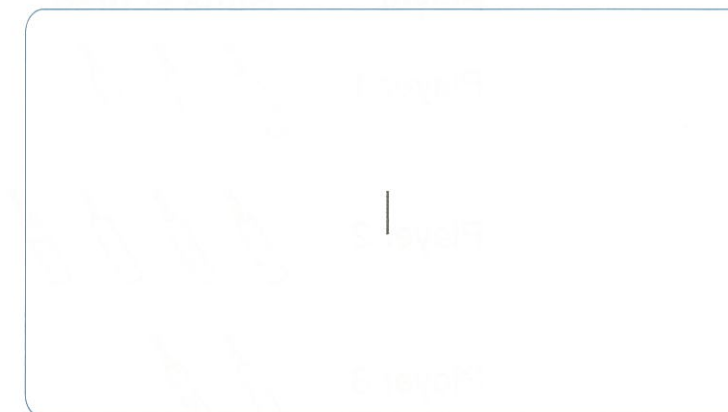




GRADE 4

2016



Mathematics

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.

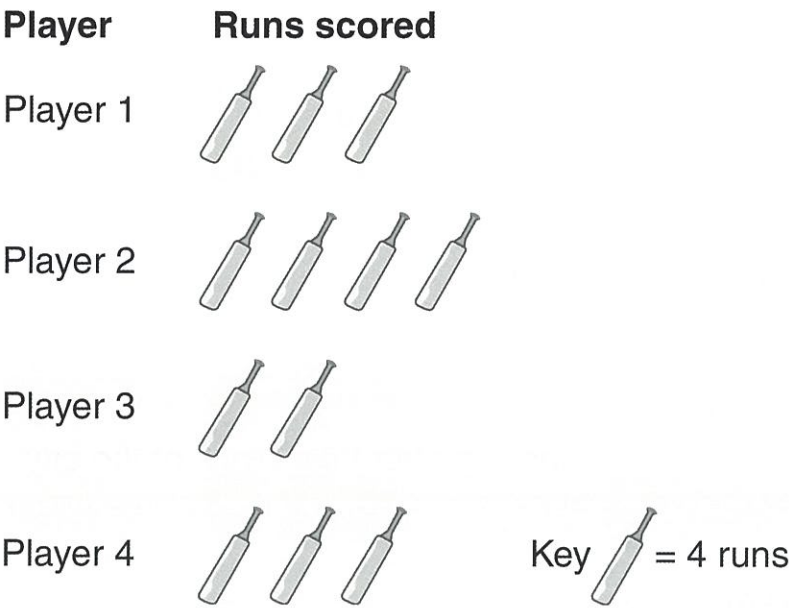
EQUIPMENT ALLOWED IN THIS TEST

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 This pictograph shows the runs scored by four players in a cricket team.



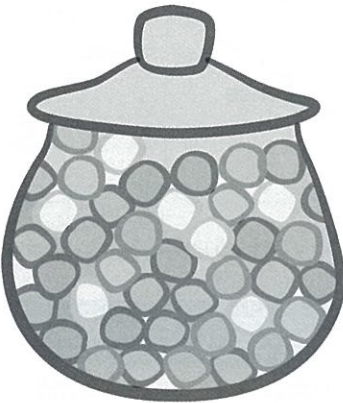
How many runs were scored by player 3?

- 2 runs 4 runs 8 runs 12 runs
A **B** **C** **D**

2 This jar has 225 sweets.
There are equal numbers of red, green and yellow sweets in the jar.

How many red sweets are in the jar?

- A** 3
B 25
C 48
D 75



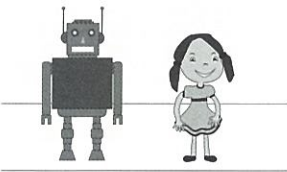
38 $324 = (3 \times 100) + (2 \times \square) + (4 \times 1)$
What number should go in the \square to make the sentence true?

- 0 1 10 60
A **B** **C** **D**

39 Fay arrived at the station at 11:49 am.
Her train departed at 12:07 pm.
How many minutes did Fay wait at the station?

- 18 19 42 58
A **B** **C** **D**

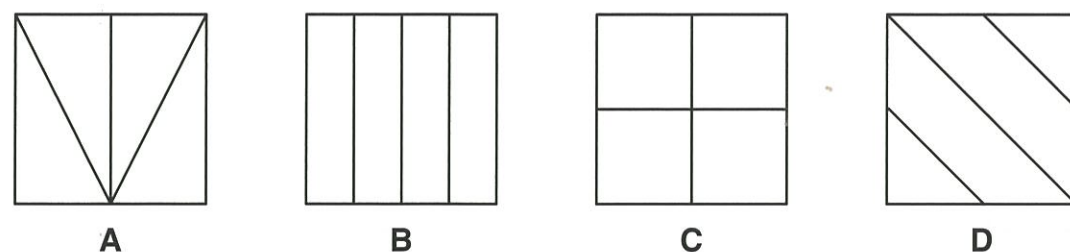
40 The robot is standing next to the girl.



Which direction must the robot turn to see the girl?

- A** one-quarter turn to its left
B three-quarter turn to its left
C one-quarter turn to its right
D one-half turn to its right

- 35 Which square is **not** cut into quarters?



36
$$\begin{array}{r} 278 \\ + \square 34 \\ \hline 712 \end{array}$$

What is the missing digit?

- A 4
B 5
C 8
D 9

- 37 A goods lift can carry a maximum load of 250 kilograms (kg).

GOODS LIFT ONLY

NOT to be used by people.

MAXIMUM load 250 kg.

The goods lift has to carry some boxes that have a mass of 20 kg each.

What is the **largest** number of boxes that can be loaded into the goods lift at one time?

- A 5
B 10
C 12
D 13

- 3 Some beads are divided into two piles.

One pile has $\frac{1}{4}$ of all the beads.

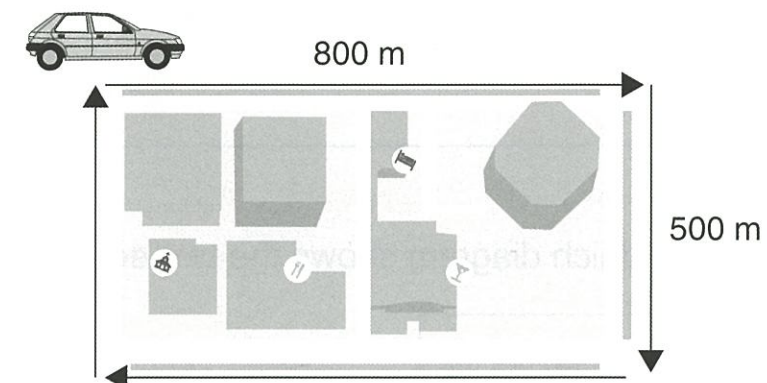
What fraction of all the beads is in the other pile?

- A $\frac{1}{2}$
B $\frac{1}{4}$
C $\frac{3}{4}$
D $\frac{1}{3}$

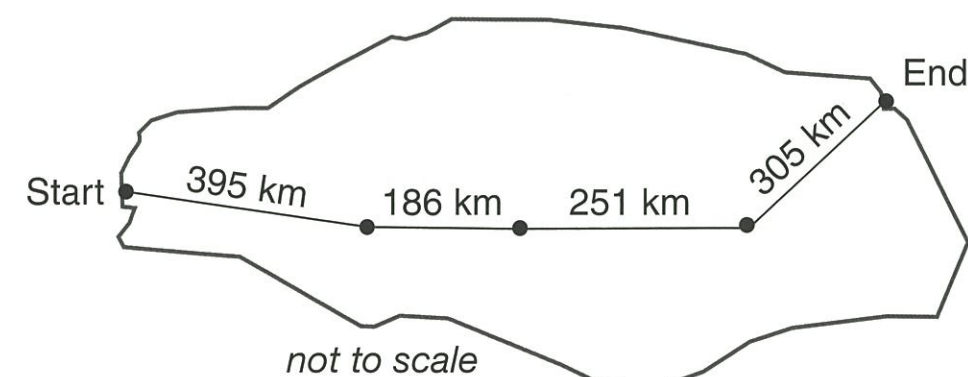
- 4 A car drove once around a rectangular block of the city.

How far did the car drive?

- A 800 m
B 1300 m
C 2100 m
D 2600 m



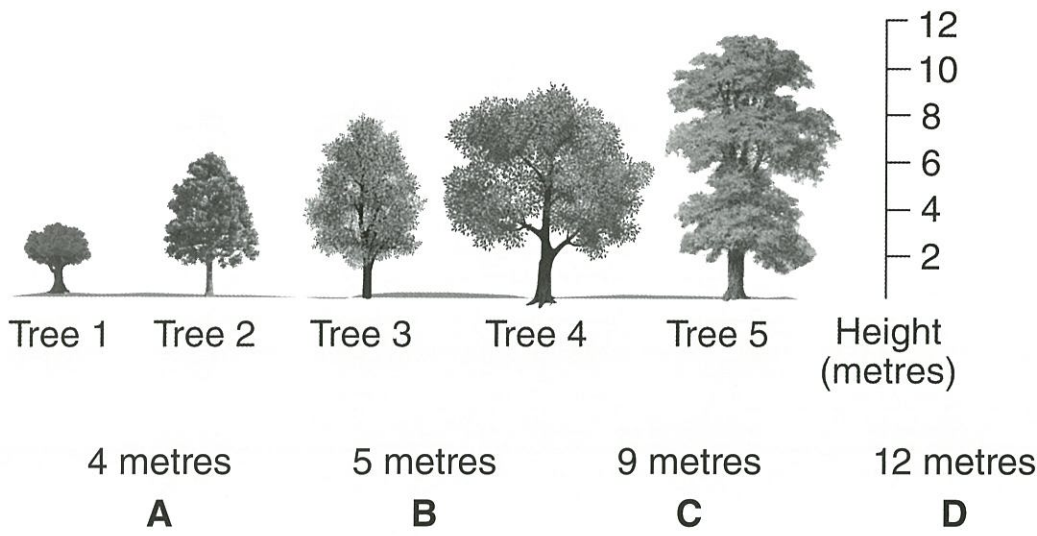
- 5 A car drives across a country using the route shown between different cities.



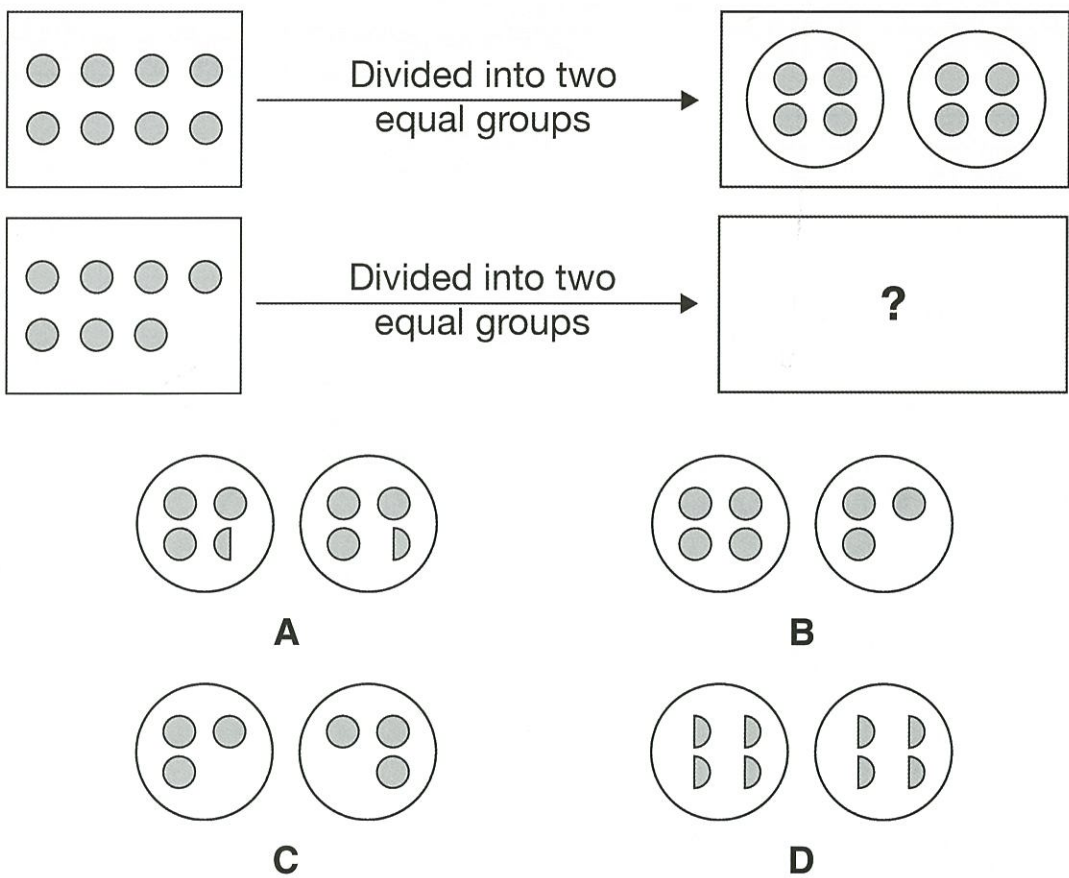
How far did the car drive?

- A 827 km
B 832 km
C 1137 km
D 1237 km

6 This diagram shows the height of some trees.
What is the height of Tree 4?



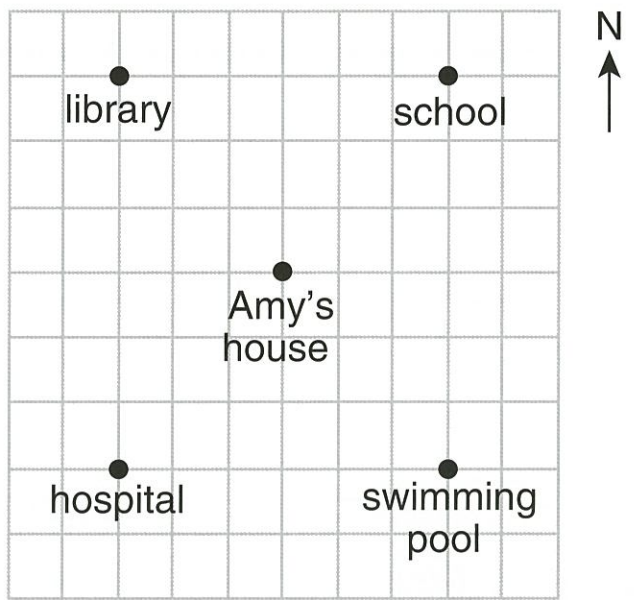
7 Which diagram shows the two equal groups that are missing?



32 Amy leaves her house and walks
2 blocks south,
3 blocks west and
5 blocks north.

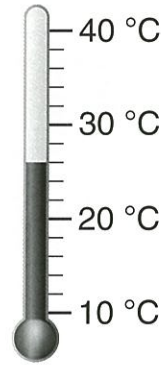
Where does she finish?

- A library
- B school
- C hospital
- D swimming pool



33 What temperature does
this thermometer show?

- A 23 °C
- B 24 °C
- C 26 °C
- D 28 °C

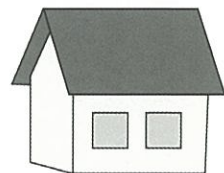


34 A football team played 20 matches.
This chart shows their results.
The wins and losses have been recorded.
How many draws did the team have?

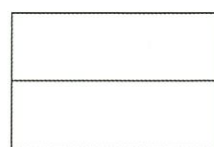
Win	
Loss	
Draw	

- A |||
- B ||||
- C ||||
- D ||||

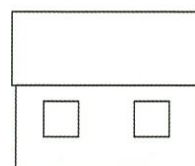
29



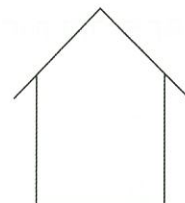
What does the top view of this house look like?



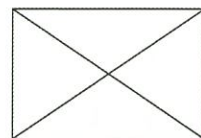
A



B



C



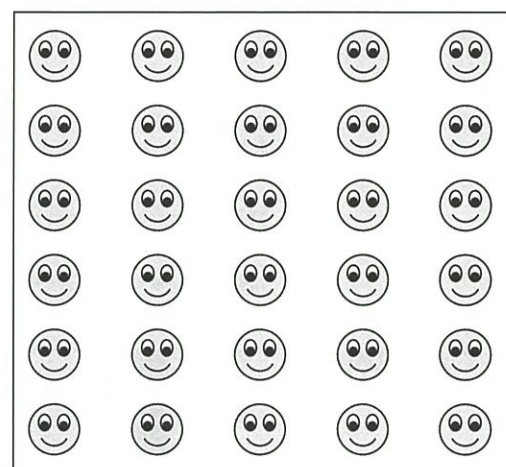
D

30

These stickers are shared equally between three friends.

How many stickers does each friend receive?

- A 6
- B 8
- C 10
- D 12



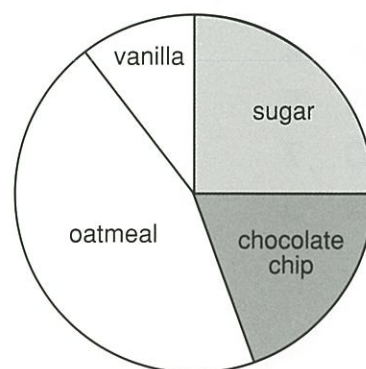
31

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

Which type of cookie did the bakery sell most?

- A sugar
- B vanilla
- C chocolate chip
- D oatmeal

Cookies Sold



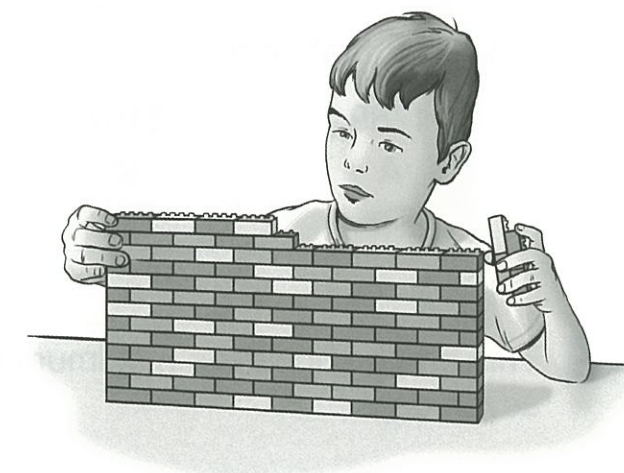
8

A wall will be 28 blocks high.

Each row of the wall has 9 blocks.


How many blocks are used to make the wall?

- A 37
- B 182
- C 252
- D 262



9

In a game, tokens of different shapes score points.

 = 1 point

 =     

 =   

A child has these tokens.



What is the child's score?

- 8 28 58 148
- A B C D

10

School holidays will begin in 6 weeks.

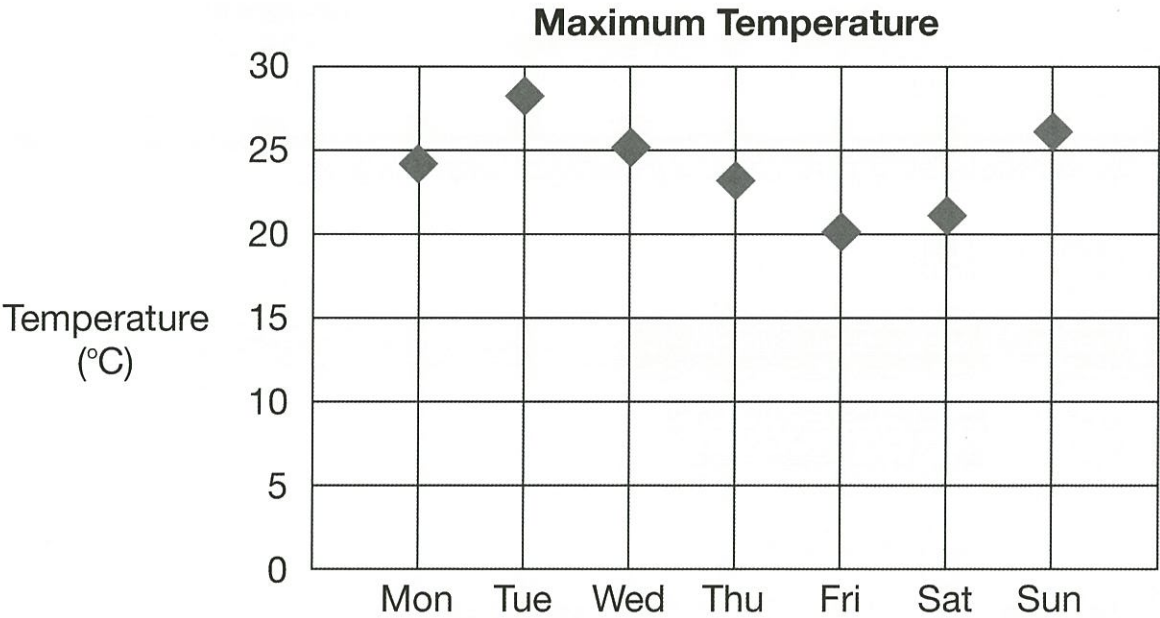
After how many **days** will the school holidays begin?

- A 6 days
- B 7 days
- C 42 days
- D 48 days

11 In which number does the digit 7 have the greatest value?

- 1789
A
- 2157
B
- 7235
C
- 8071
D

12 This graph shows the maximum temperature recorded in a city on seven days.



What was the maximum temperature on Tuesday?

- 6 °C
A
- 23 °C
B
- 25 °C
C
- 28 °C
D

13 Sania has \$340.
She spends \$158 from this amount.
How much more money does she need so that she has \$500?

- A \$2
- B \$160
- C \$318
- D \$342

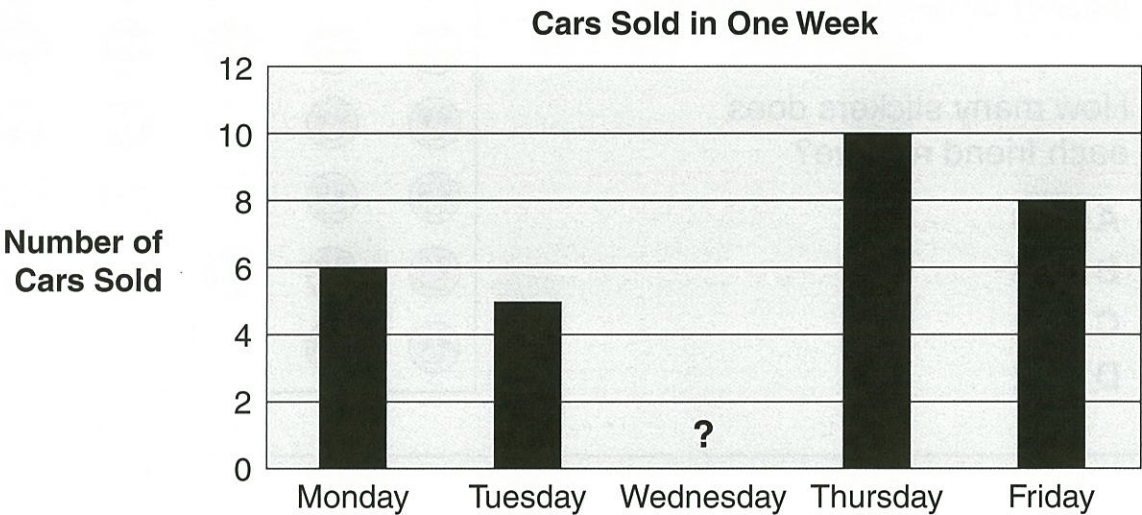
27 Meg drew this shape.



She shaded a part of the shape.
What fraction of the shape did Meg shade?

- $\frac{1}{5}$
A
- $\frac{1}{4}$
B
- $\frac{7}{9}$
C
- $\frac{4}{5}$
D

28 The number of cars sold on Wednesday was more than on Monday and less than on Friday.



How many cars were sold on Wednesday?

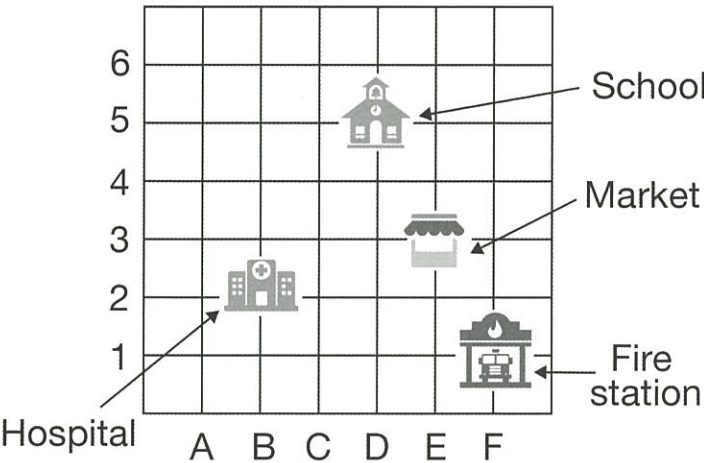
- A 4
- B 5
- C 7
- D 9

24 What is the missing number in this pattern?
1, 2, 4, , 16

- 6
A
- 7
B
- 8
C
- 9
D

25 On this map, the school is at (D, 5).
Where is the hospital?

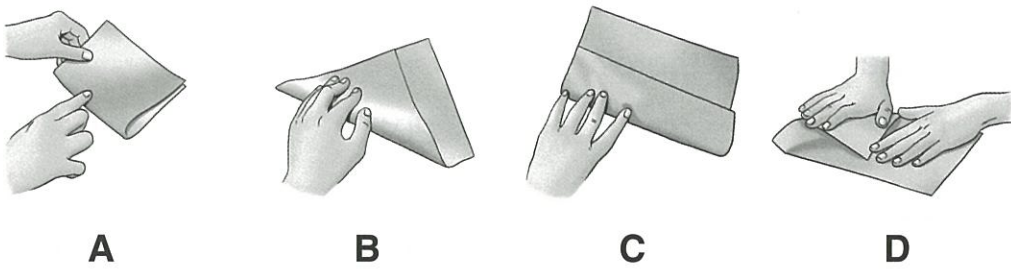
- A (B, 2)
- B (D, 5)
- C (E, 3)
- D (F, 1)



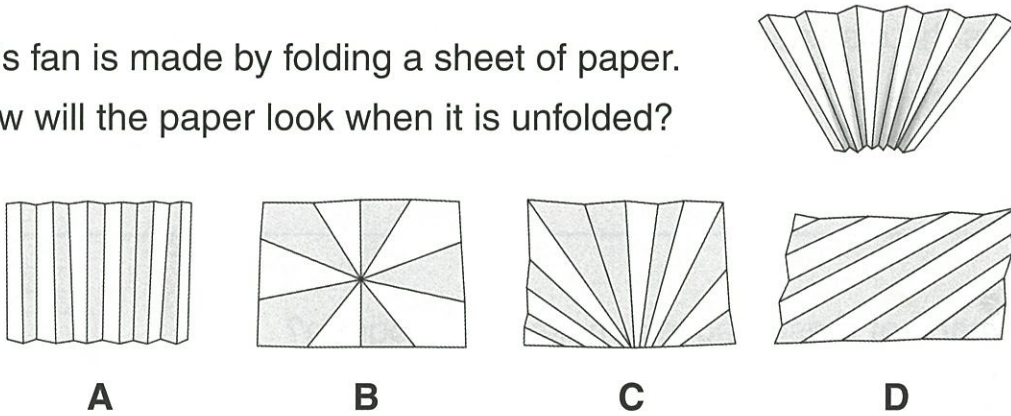
26 Each number sentence below is either True or False.
Which set of answers is correct?

	$4 + 2 = 2 + 4$	$4 - 2 = 2 - 4$	$4 \times 2 = 2 \times 4$	$4 \div 2 = 2 \div 4$
A	False	False	True	True
B	True	True	True	True
C	True	True	False	False
D	True	False	True	False

14 Which picture shows a sheet of paper being folded in half?



15 This fan is made by folding a sheet of paper.
How will the paper look when it is unfolded?



16 The eight legs in the picture belong to four runners.
Which number sentence shows this?



- A $4 = 2 + 2$
- B $4 = 8 \div 2$
- C $4 = 8 - 4$
- D $4 = 16 \div 4$

17 A machine sorts 252 pens into packets.
Each packet contains 12 pens.
How many packets are there?

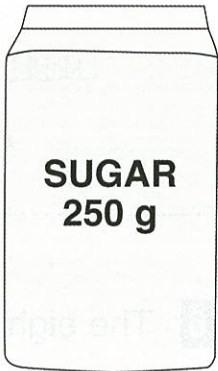
- 12
A
- 21
B
- 201
C
- 240
D

18 A red car is 400 m ahead of a yellow car and 1 km ahead of a green car.
What is the distance between the yellow car and the green car?

- 300 m
A
- 399 m
B
- 400 m
C
- 600 m
D

19 How many of these packets make one kilogram?

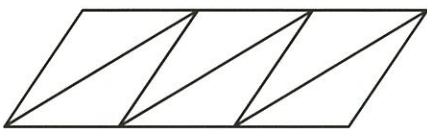
- A 1
- B 2
- C 3
- D 4



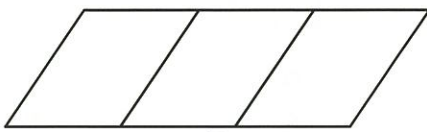
20 A school bus picks up students at 7:50 am.
The bus drops them off at school at 8:15 am.
How long does the bus trip take?

- 15 minutes
A
- 25 minutes
B
- 35 minutes
C
- 65 minutes
D

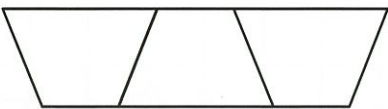
21 Which pattern is made of triangles?



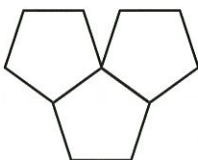
A



B



C



D

22 This table shows types of breezes and their wind speeds.

Type of breeze	Wind speed (km/h)
Gentle breeze	12–19
Moderate breeze	20–28
Fresh breeze	29–38
Strong breeze	39–49

A weather update shows the wind speed at 32 km/h.
Which type of breeze is blowing?

- A Gentle breeze
- B Moderate breeze
- C Fresh breeze
- D Strong breeze

23 What type of angle is marked on the diagram?

- A acute
- B obtuse
- C reflex
- D right

