

NUMERACY

YEAR

5

Example test

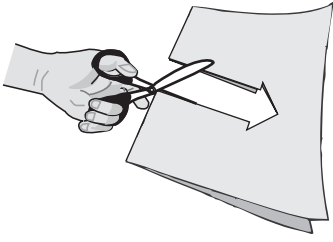
0:50

Time available for students to
complete test: 50 minutes

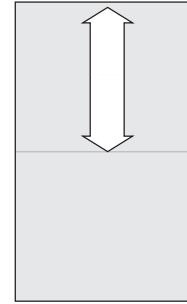
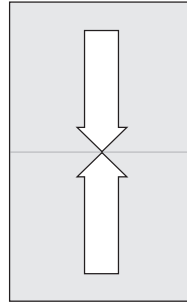
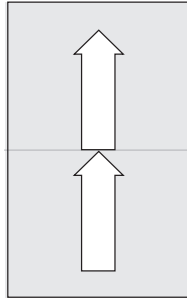
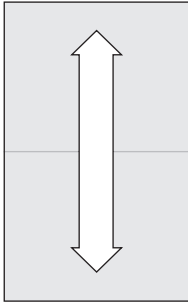
Use 2B or HB
pencil only

1

Ben folds a piece of paper in half and cuts out an arrow.



What does the paper look like when he unfolds it?



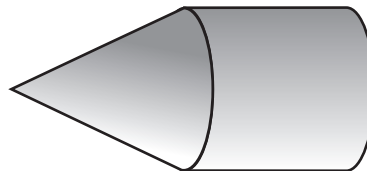
2

$38 + 26 =$

3

Steve joined two blocks together to make this object.

He used a cone and a



- cube.
- cylinder.
- square pyramid.
- rectangular prism.

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4

Which one of these equals 564?

$5 + 6 + 4$



$50 + 60 + 40$



$500 + 40 + 6$

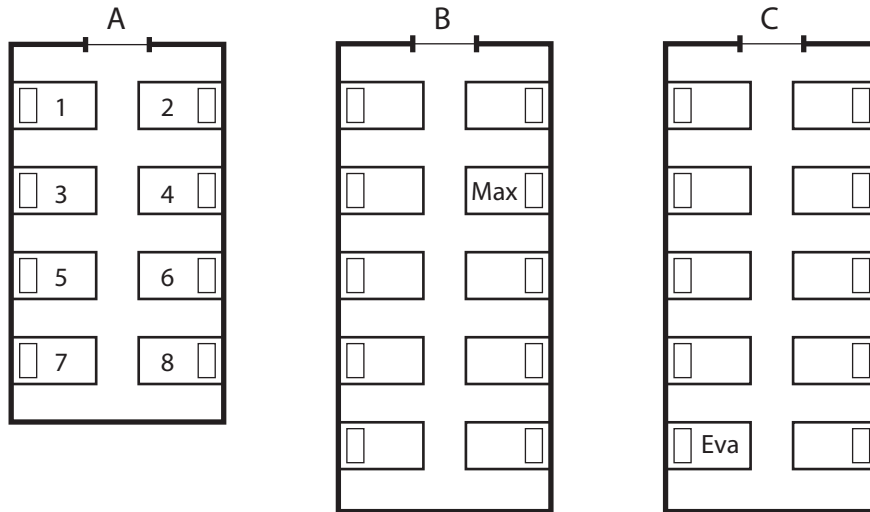


$500 + 60 + 4$



5

This plan shows the beds in three rooms at a camp.



Max sleeps in bed B4.

Which bed does Eva sleep in?

B7



B9



C7

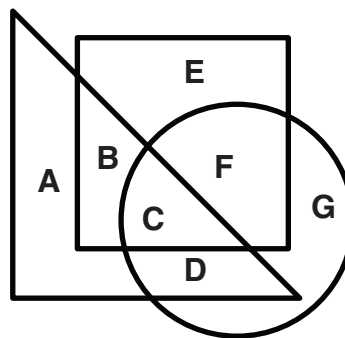


C9



6

Which letter is in the square and also in the triangle, but **not** in the circle?



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7

OCTOBER						
Sun	Mon	Tues	Wed	Thurs	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

What date is the third Sunday on this calendar?

27 October

20 October

13 October

6 October

8

Which one of these has the same value as 12×3 ?

$10 + 3 + 2$

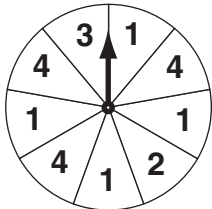
$10 \times 3 + 2$

$10 \times 3 + 3$

$10 \times 3 + 6$

9

This spinner is used in a board game.



Sanjay spins the arrow.

On which number is the arrow **most** likely to stop?

1

2

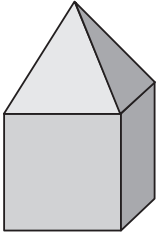
3

4

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10

A square-based pyramid and a cube have been glued together.



How many **faces** does the new object have?

4

8

9

11

11

$5427 \div 9 =$

?

63

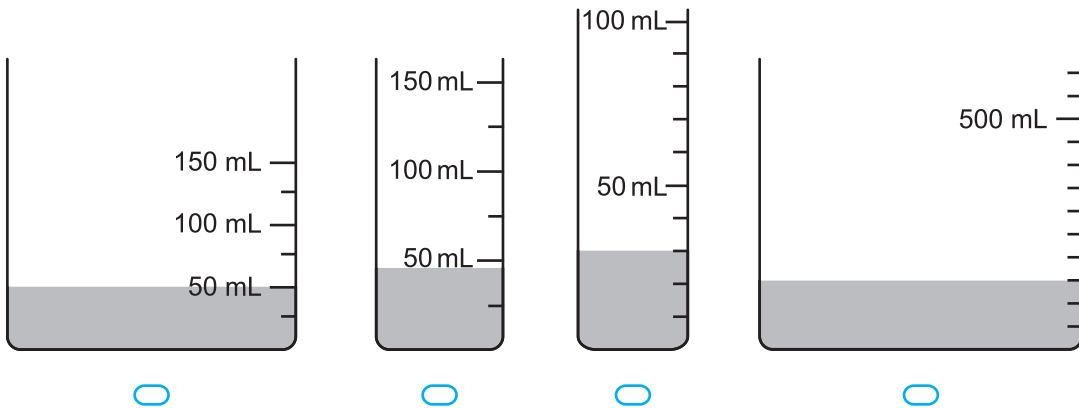
603

630

6003

12

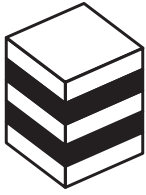
Which container has the **least** liquid?



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13

This lolly is made with equal layers.
The layers are white or black.



What fraction of the lolly is made of black layers?

$\frac{2}{5}$

$\frac{1}{2}$

$\frac{2}{3}$

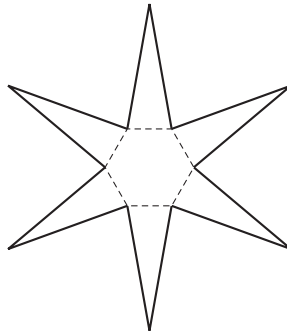
$\frac{3}{5}$

14

Angela made this net.

What 3D object will it make?

- hexagonal prism
- octagonal prism
- hexagonal pyramid
- octagonal pyramid



15

David and Sarah both bought a T-shirt and hat.
They each spent the same amount of money.

David's T-shirt cost \$28.90 and his hat cost \$21.10.

Sarah's T-shirt cost \$30.95.

How much did Sarah's hat cost?

\$19.05

\$19.15

\$20.95

\$21.10

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16

Tony is paid the same amount for each car he washes.
He gets paid \$15 for washing 3 cars.

How many cars does he need to wash to get paid \$45?

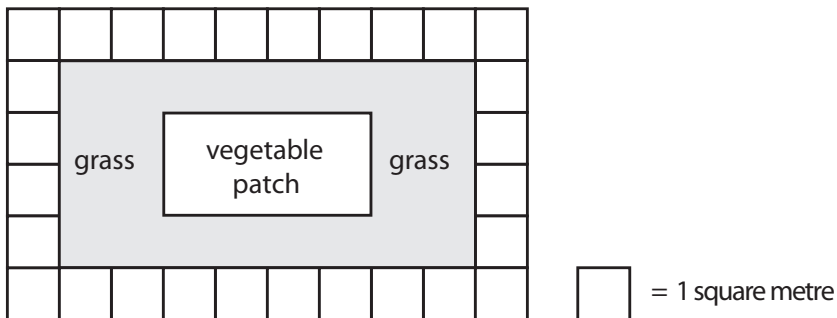
17

Lin is packing 34 cakes into boxes.
Each full box holds 5 cakes.

What is the smallest number of boxes Lin needs
to pack all the cakes?

18

This is a diagram of a garden.

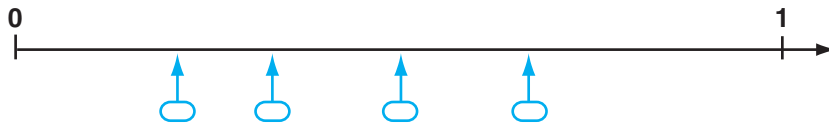


What is the area of the vegetable patch?

- 4 square metres
- 8 square metres
- 16 square metres
- 32 square metres

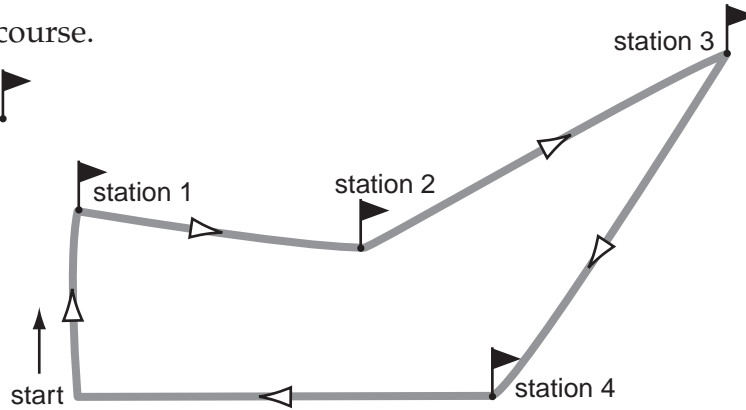
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- 19 Which position is closest to $\frac{1}{3}$ on this number line?



- 20 This is a map of a running course.

There are 4 drink stations.



At which drink station do the runners make the **greatest** change of direction?

- station 1 station 2 station 3 station 4
-

- 21 These were the top five names for boys born in Victoria in 2009.

Name	Number of boys
William	549
Jack	534
Oliver	453
Joshua	443
Thomas	442

Which of these statements is **true** of a boy born in Victoria in 2009?

- He is more likely to be named Jack than Joshua.
- He is certain to be named William.
- He is less likely to be named Oliver than Thomas.
- It is impossible that he will be named Christopher.

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22 Eight children share 2 pies equally.

How much pie will each child get?

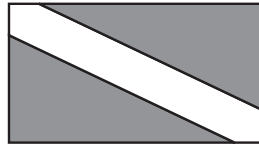
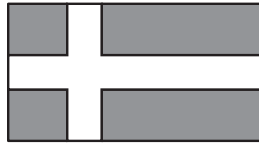
$$\frac{1}{2}$$

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

$$\frac{1}{8}$$

$$\frac{1}{16}$$

23 Which flag has exactly **two** lines of symmetry?



24 Which number is greater than 0.08?

0.1

0.009

0.07

0.0089

25 A rectangular paddock has a perimeter of 50 metres.
Each long side has a length of 15 metres.

What is the length of each short side?

metres

26 Kim divided 342 by a number.
She got 34.2 as the answer.

What number did Kim divide by?

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27

This is a movie program.

MOVIE PROGRAM		
Movie name	Start time of movie	Length of movie
Blue Sky	10:00 am, 12:30 pm, 3:30 pm	1 hour 37 mins
Fuzzy Dog	3:00 pm, 7:00 pm	2 hours
The King	11:00 am, 2:15 pm, 6:00 pm	1 hour 40 mins
Kids at School	2:05 pm, 5:00 pm	2 hours 30 mins

Gina arrives at the movie theatre at 2:00 pm. Her mother will pick her up at 4:00 pm.

Which movie could Gina watch from start to finish?

Blue Sky

Fuzzy Dog

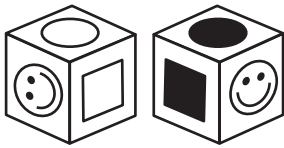
The King

Kids at School

28

Here are two pictures of the same cube.

Each face has a different symbol on it.



Which face is opposite to the  face?



29

Which measurement is equal to 1500 centimetres?

0.15 m

1.5 m

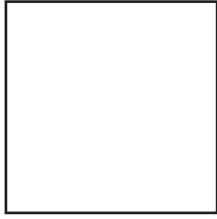
15 m

150 m

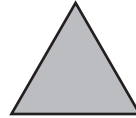
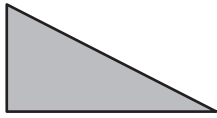
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30

Sally has 4 tiles that are the same shape and size.
She puts them together without gaps or overlaps to cover this square.

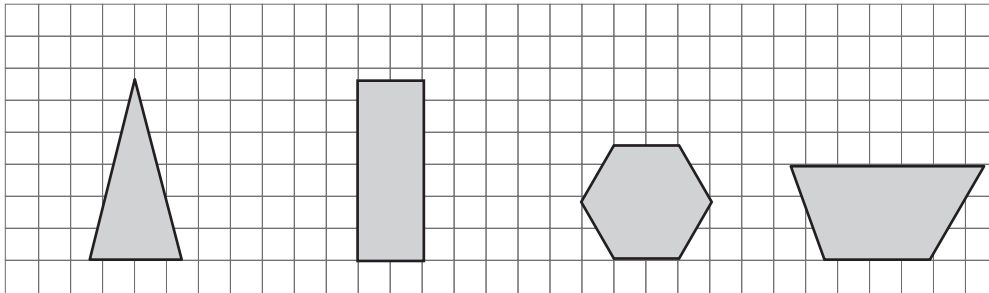


What shape are Sally's tiles?



31

Which shape has **no** parallel sides?

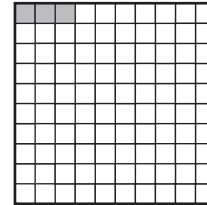
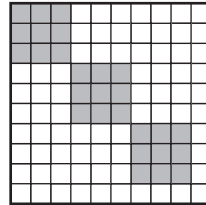
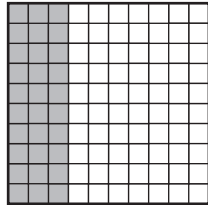
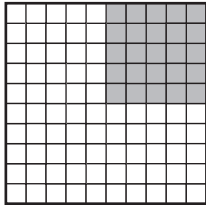


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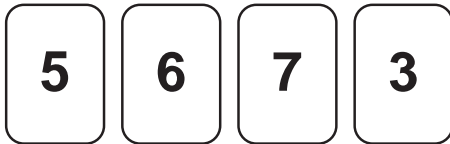
32 Dan shaded a fraction of this long rectangle.



Which grid shows the same fraction shaded?

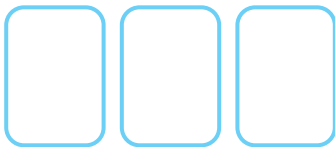


33

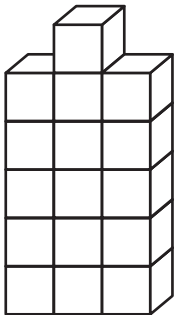


What is the largest even number that can be made using only three of these cards?

Write your answer on the blank cards.



34



Carl builds this 3D object using 16 cubes.
He then paints the outside faces of the object including the base.

How many cubes have only 2 faces painted?

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35

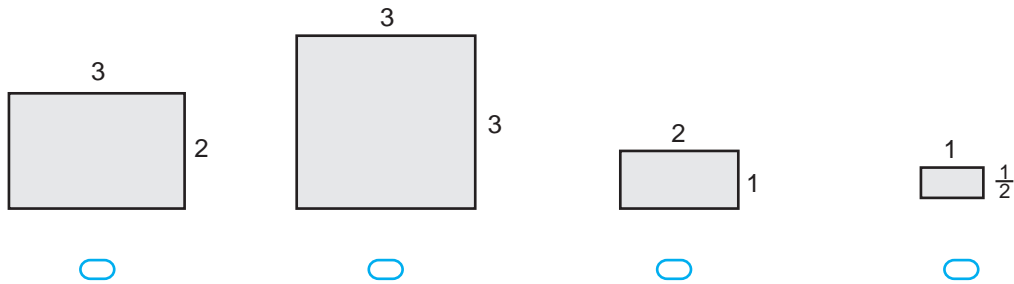
The population of Australia in 1950 was 8.27 million.
The population of Australia in 2000 was 19.16 million.

What is the difference in number between these two populations?

million

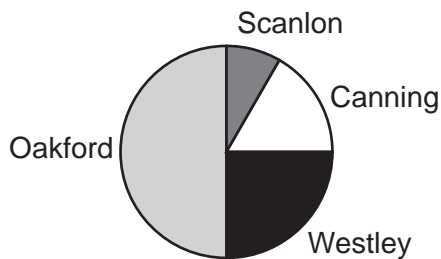
36

Which shape has an area of 6 square units?



37

This pie graph shows the suburbs where a total of 600 students live.



About how many students live in Scanlon?

25 50 75 100

38

The sum of the opposite faces of a standard six-sided dice is always 7.

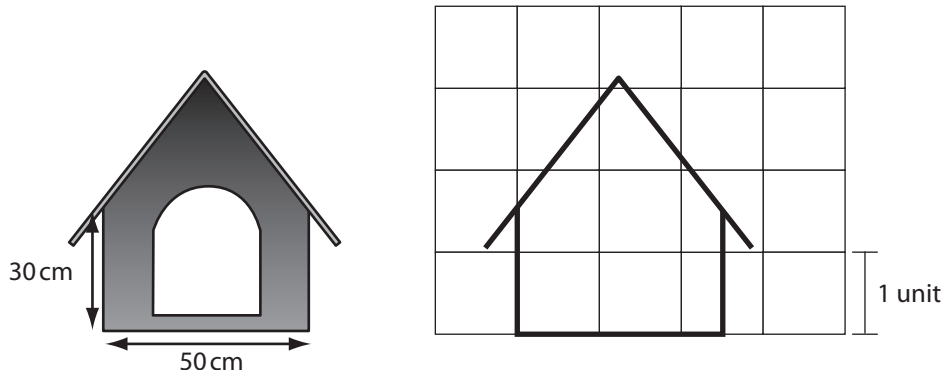
Hannah rolls three dice.
The sum of the top faces is 11.

What is the sum of the three opposite faces?

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39

Tom started to make a scaled drawing of his dog's kennel.



What scale is Tom using for his picture?

One unit on the grid represents cm.

40

Points are scored for each medal won in a competition.

Medal	Points per medal
Gold	3
Silver	2
Bronze	1

The Rockets won a total of 16 medals and scored 36 points.

6 of their medals were Silver.

How many **Gold** medals did the Rockets win?

STOP – END OF TEST

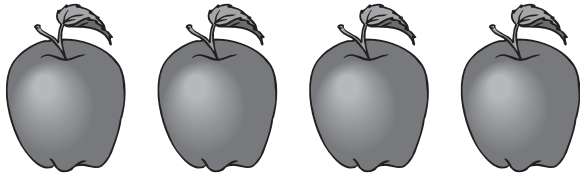
YEAR 5 NUMERACY

Do not write on this page.

PRACTICE QUESTIONS

P1

How many apples are shown?



3

4

5

6

P2

Nick had three dollars.

He spent one dollar.

How much money does he have left?

\$