

# NUMERACY

YEAR

**5**

2010

**0:50**

Time available for students to  
complete test: 50 minutes

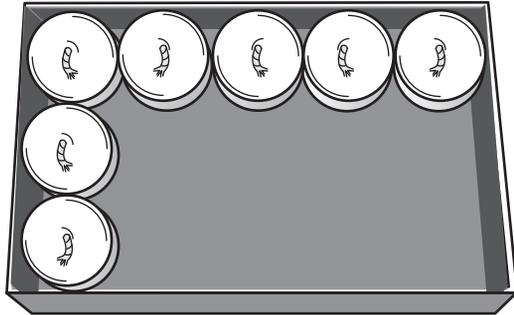
Use 2B or HB  
pencil **only**



# YEAR 5 NUMERACY

1 Tom starts to put candles next to each other in a box.

Shade one bubble.



How many candles will fit in the box **altogether**?

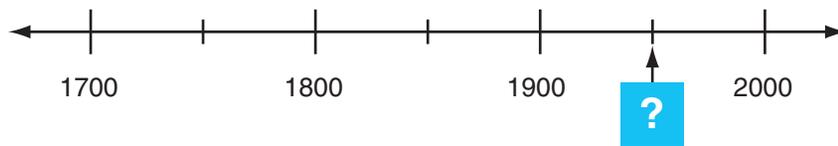
7

8

13

15

2 Here is a timeline in years.



What year is the arrow pointing to?

1905

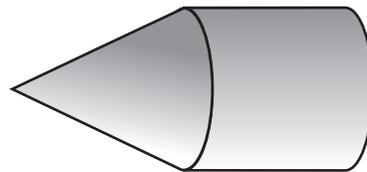
1910

1950

2050

3 Steve joined two blocks together to make this object.

He used a cone and a



cube.

cylinder.

square pyramid.

rectangular prism.

# YEAR 5 NUMERACY

4

Which one of these equals 564?

Shade one bubble.

$$5 + 6 + 4$$

$$50 + 60 + 40$$

$$500 + 40 + 6$$

$$500 + 60 + 4$$

5

Gina has only these coins.



She buys a magazine for \$1.95.

How much money does Gina have left?

\$1.00

\$1.10

\$2.00

\$2.10

6



What time does this clock show?

3:08

3:40

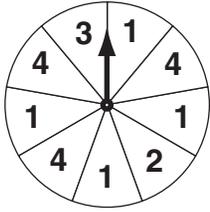
8:03

8:15

# YEAR 5 NUMERACY

7 This spinner is used in a board game.

Shade one bubble.



Sanjay spins the arrow.

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

1

2

3

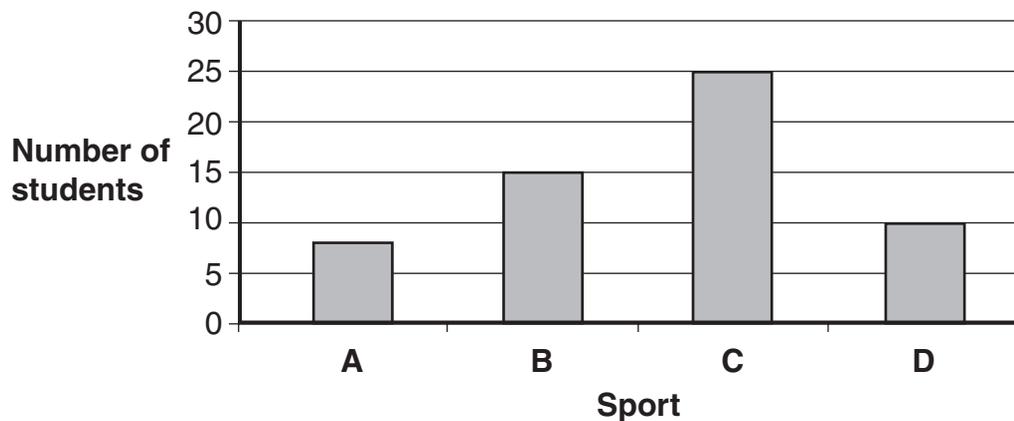
4

8 Some students chose their favourite sport.  
They made a graph.

- Swimming was the **most** popular.
- Football was **more** popular than cricket.
- Netball was **less** popular than football.

Which column shows football on the graph?

Favourite sport



A

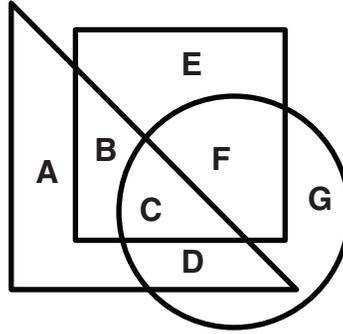
B

C

D

# YEAR 5 NUMERACY

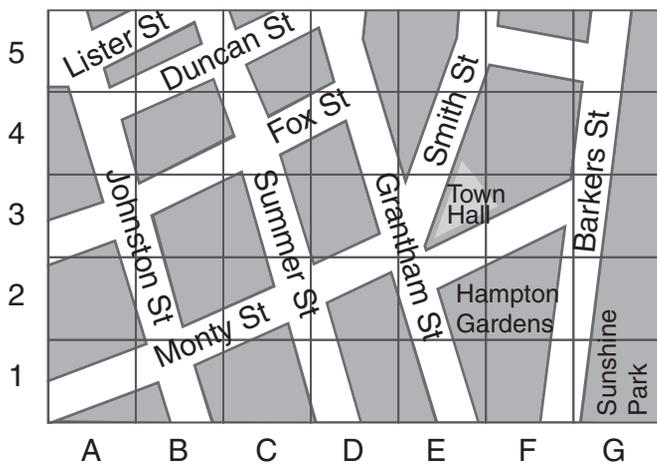
9 Which letter is in the square and also in the triangle, but **not** in the circle?



Write your answer in the box.

10 Rick and David met on the corner of two streets. The corner is in C4 on the map.

Shade one bubble.



On the corner of which two streets did Rick and David meet?

- Summer and Monty
- Grantham and Fox
- Duncan and Summer
- Summer and Fox

11 These biscuits are sold in packets of 10. Shelley wants to give one biscuit to each of her 27 classmates.



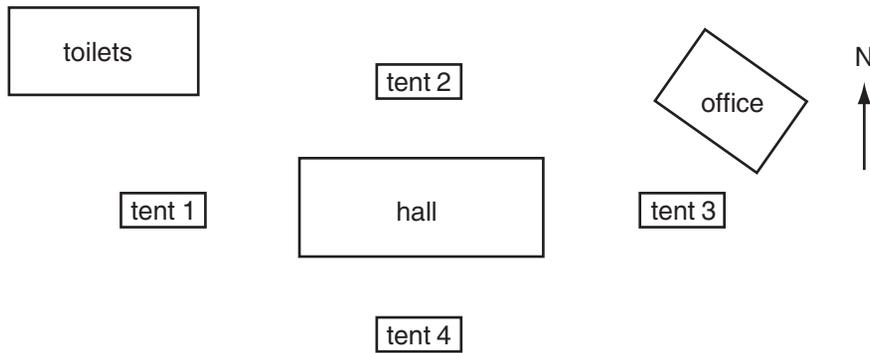
What is the **least** number of packets that Shelley needs?

- 1
- 2
- 3
- 4

## YEAR 5 NUMERACY

12

This is the plan of a school camp.



Shade one bubble.

Jarod walks from one of the tents and goes **west** to the Hall.

Which tent does he walk from?

tent 1

tent 2

tent 3

tent 4





13

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



What fraction of the lolly is made of black layers?

$\frac{2}{5}$

$\frac{1}{2}$

$\frac{2}{3}$

$\frac{3}{5}$



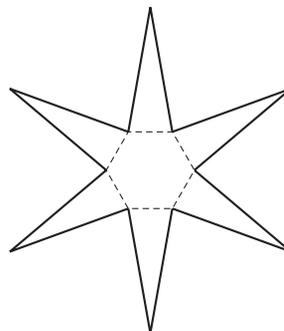


14

Angela made this net.

What 3D object will it make?

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



## YEAR 5 NUMERACY

- 15 This is a picture of a shoe.

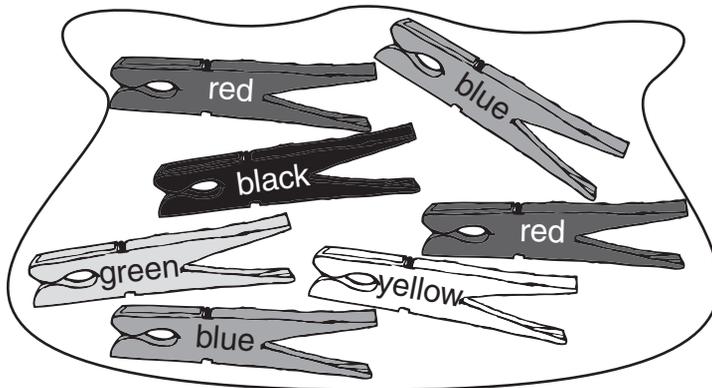
Shade one bubble.



Which of these is closest to the length of a **real** shoe?

- 5 cm                      25 cm                      75 cm                      100 cm
- 

- 16 Jess takes 2 pegs out of this bag at the same time.



Which of these is **impossible**?

- a blue peg and a black peg
- a red peg and a red peg
- a green peg and a green peg
- a yellow peg and a black peg

- 17 Anne wants to find the answer to  $1999 + 1476$ .

Which of these shows a way to get the **same** answer?

- $2000 + 1477$
- $2000 + 1475$
- $2005 + 1400$
- $2005 + 1500$

# YEAR 5 NUMERACY

18 James makes 12 pizzas.  
He puts 4 pizzas on trays like this.

Shade one bubble.



Which of these shows how James could work out the number of trays he needs?

$12 \div 4$

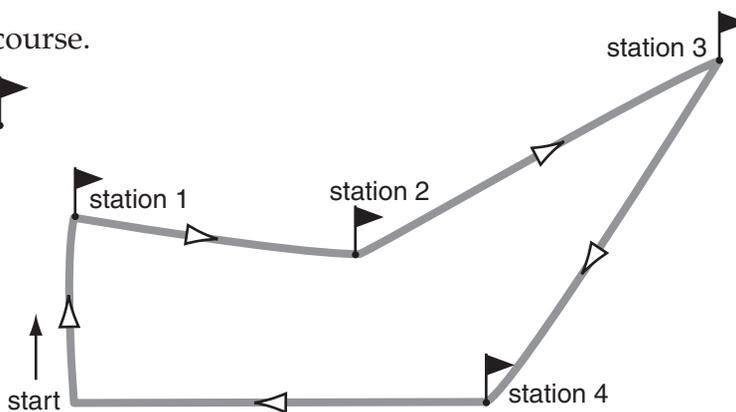
$12 \times 4$

$12 - 4$

$12 + 4$

19 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

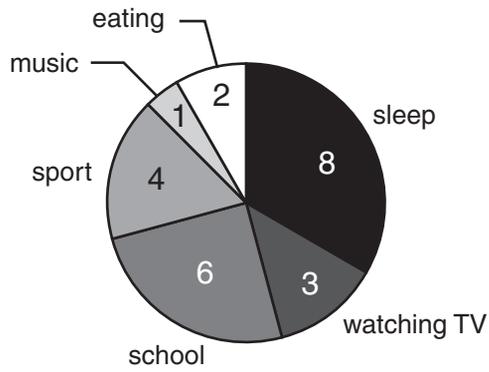
20 A barbecue was held for 36 people.  
There were 3 sausages for each person.  
How many sausages were there altogether?

Write your answer in the box.

# YEAR 5 NUMERACY

21

Hannah made a pie graph to show the number of hours she spent on different activities over 24 hours on Monday.



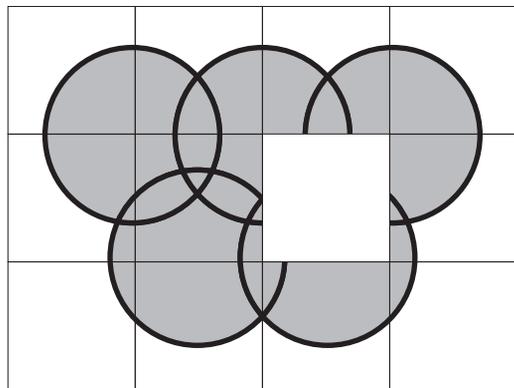
Which information can be found using this pie graph?

The number of

- meals Hannah eats on this day.
- hours Hannah plays sport each week.
- hours Hannah watches TV on Tuesday.
- hours Hannah spends awake on this day.

22

When the missing piece is put in this puzzle it shows 5 overlapping circles.



Which is the missing piece?



- 
- 
- 
-

# YEAR 5 NUMERACY

- 23** These babies were born on the same day.  
Which baby has the greatest mass?

Shade one bubble.



*Simon*  
3.5 kg



*Georgia*  
3450 g



*Mia*  
3.05 kg



*Oscar*  
3090 g

- 24** Lucy made 4 tree designs using sticks.  
There is a pattern in the way the trees grow.



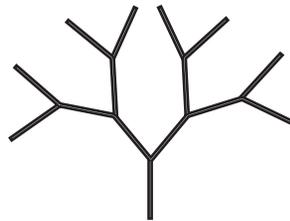
Tree 1  
1 stick



Tree 2  
3 sticks



Tree 3  
7 sticks



Tree 4  
15 sticks

Lucy continues the pattern in the same way.

How many sticks will Tree 5 have?

23

31

35

45

- 25** 3.62 is equal to

- $0.3 + 0.6 + 0.2$
- $3.0 + 0.6 + 0.2$
- $3 + 0.6 + 0.02$
- $3 + 0.06 + 0.02$

# YEAR 5 NUMERACY

26

Jenny is exactly 3 years old.  
Her brother Ken is exactly 17 months old.

How many months older than Ken is Jenny?

13

14

19

21

Shade one bubble.

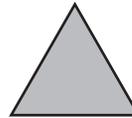
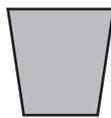
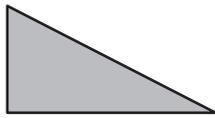


27

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

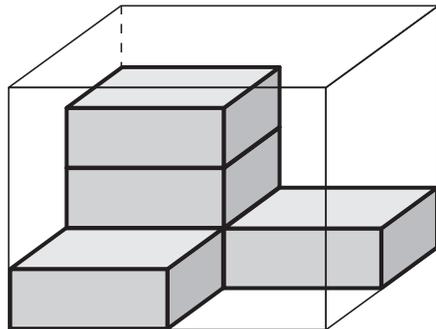


What shape are Sally's tiles?



28

There are 5 small boxes in this carton, all of the same size.



Write your answer in the box.



How many small boxes can fit in the carton **altogether**?

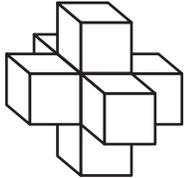
# YEAR 5 NUMERACY

29 Write a number in the box to make this number sentence correct.

Write your answer in the box.

$$24 + 15 > \boxed{\phantom{000}} \times 5$$

30 This 3D symmetrical object is made by joining cubes. It is then painted.



How many faces are painted?

31 The value of  $31 \times 49$  is closest to

Shade one bubble.

1200

1300

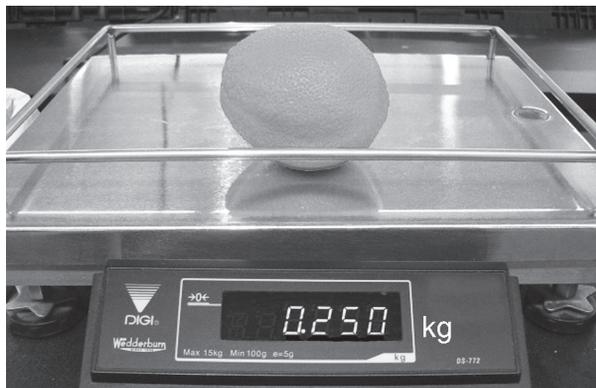
1500

1600

32 The price of oranges is \$6 per kilogram (kg).

The cost of 10 oranges is closest to

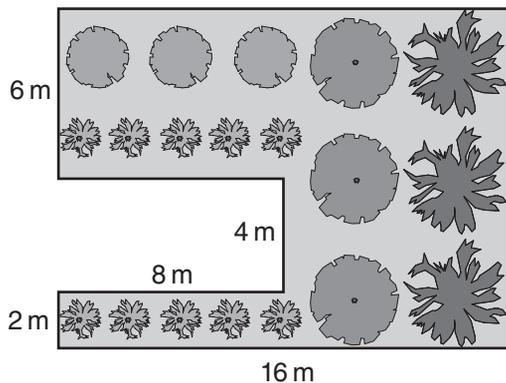
- \$6
- \$15
- \$25
- \$60



# YEAR 5 NUMERACY

33 This is the plan of a garden.

Shade one bubble.



What is the perimeter of the garden?

36 m

64 m

68 m

72 m

34 These are four number cards.

Write your answer in the boxes.



Use each card once to make this number sentence true.

$$\square \square \square \times \square = 2010$$

35 This grid shows the numbers from 1 to 24. Mike has crossed off the number 1.

Write your answer in the box.

<del>1</del>	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24						

He crosses off all the multiples of 2, then of 3 and then of 5.

How many numbers will still be showing on the grid?

# YEAR 5 NUMERACY

**36** A meeting is held on the first Tuesday of each month.  
There was a meeting held on 6 March.

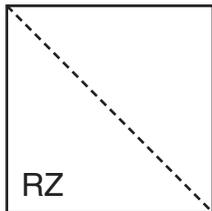
Write your answer  
in the box.

What is the date of the April meeting?

April

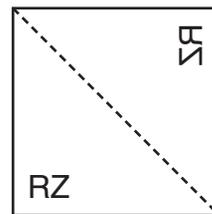
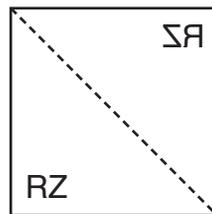
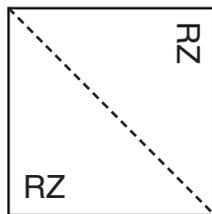
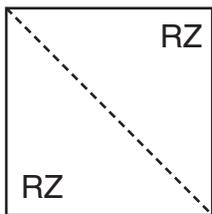
**37** Ron paints these letters on a piece of paper.

Shade one  
bubble.



While the paint is still wet, he folds the paper along the dotted line.

When Ron unfolds the paper, what will it look like?



**38** In a park, there are 5 wattle trees for every 7 gum trees.  
There are 63 gum trees.

Write your answer  
in the box.

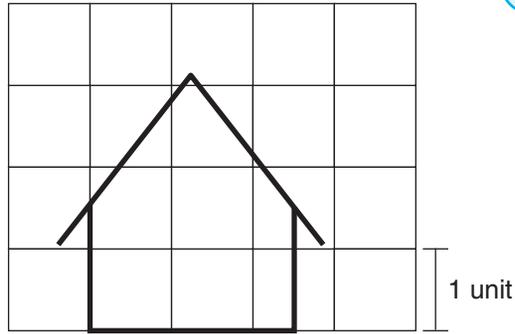
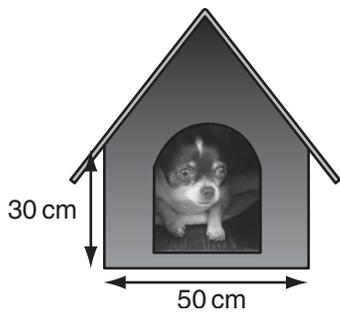
How many wattle trees are in the park?

# YEAR 5 NUMERACY

39

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

Write your answer in the box.



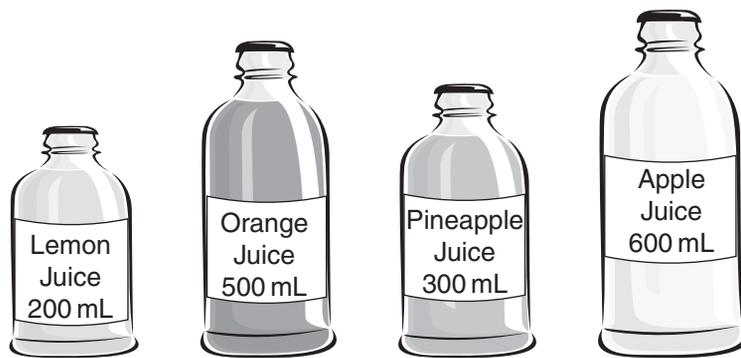
What scale is Max using for his picture?

One unit on the grid represents  cm.

40

Nina mixes these different juices to make a 'Fruit Drink'.

Write your answers in the table.



She uses only full bottles and uses **at least one** of each juice.

How many full bottles of each juice does Nina use to make exactly 2L of the 'Fruit Drink'?

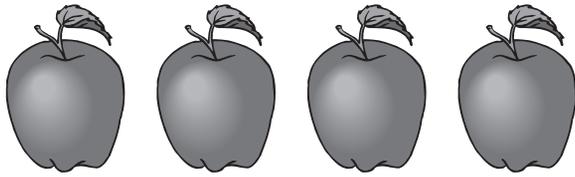
Bottle of drink	Number of bottles
Lemon Juice	
Orange Juice	
Pineapple Juice	
Apple Juice	

STOP – END OF TEST

# YEAR 5 NUMERACY

## PRACTICE QUESTIONS

**P1** How many apples are shown?



3

4

5

6

Shade one bubble.



**P2** Twenty-seven can be written as

2	7
---	---

Seventy-six can be written as

--	--

Write your answer in the boxes.



**P3**  $6 + 5 =$

Write your answer in the box.



**P4** How many legs does each animal have?

Animal	Number of legs
	
	

Write your answers in the table.

