

NUMERACY

0:50

Time available for students to
complete test: 50 minutes

Use 2B or HB
pencil **only**

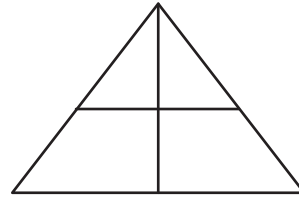
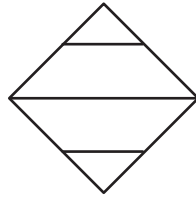
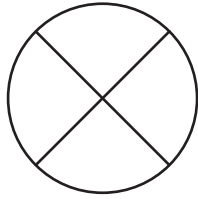
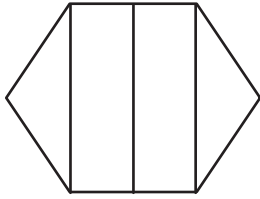


YEAR 5 NUMERACY

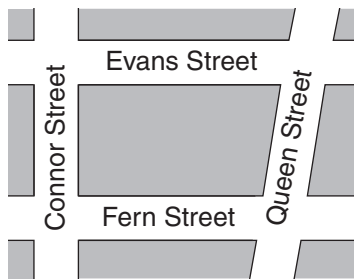
1

Which shape has been cut into quarters?

Shade one bubble.



2



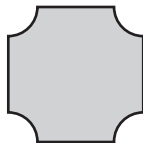
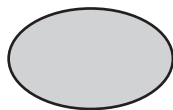
Which two streets are parallel?

- Evans Street and Fern Street
- Evans Street and Queen Street
- Connor Street and Fern Street
- Connor Street and Queen Street

3

Mia uses tiles of one shape to tile her bathroom floor.
The tiles fit together with no gaps or overlaps.

Which shaped tile could she use?



YEAR 5 NUMERACY

4

Ahmed showed this number on his calculator.

542

He changed it so that it became this number.

502

What did Ahmed do to change 542 to 502?

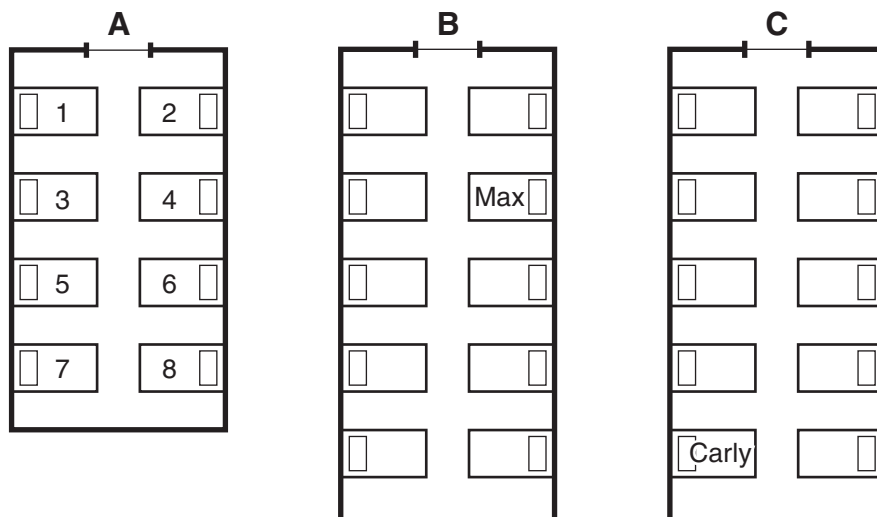
- added 4
- subtracted 4
- added 40
- subtracted 40

Shade one bubble.



5

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



Max sleeps in bed B4.

Which bed does Carly sleep in?

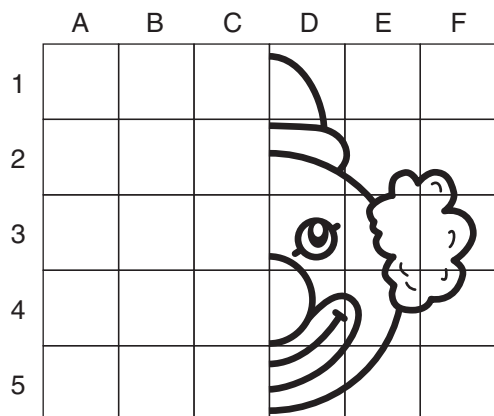
- B7
- B9
- C7
- C9

YEAR 5 NUMERACY

6

Julie is going to draw the other half of this picture so that the picture is symmetrical.

Shade one bubble.



In which square should she draw the eye?

A3

B3

C3

D3

7

Swimming Timetable

	11:00	12:00	1:00	2:00	3:00
Class 3	playtime	bus to pool	lunch	swimming lessons	bus back to school
Class 4	bus to pool	lunch	swimming lessons	playtime	bus back to school
Class 5	bus to pool	swimming lessons	bus back to school	lunch	playtime
Class 6	lunch	bus to pool	swimming lessons	bus back to school	playtime

Which class has swimming lessons first?

Class 3

Class 4

Class 5

Class 6

YEAR 5 NUMERACY

8

Clare wrote a number pattern.
She added 4 to each number to get the next number.

Shade one
bubble.

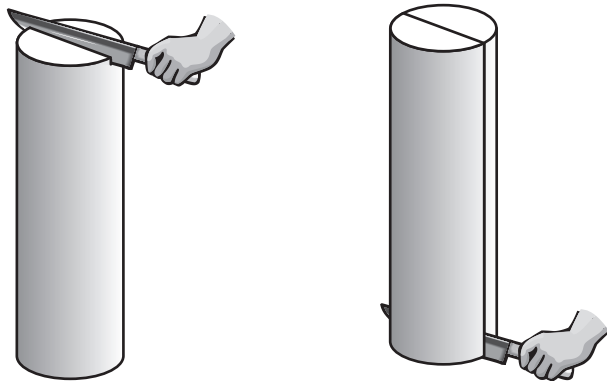


Which is Clare's number pattern?

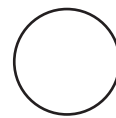
- 12, 15, 18, 21, ...
- 11, 15, 19, 23, ...
- 4, 14, 24, 34, ...
- 4, 8, 16, 32, ...

9

This solid 3D object is cut from top to bottom as shown.



What shape are the **inside** faces?

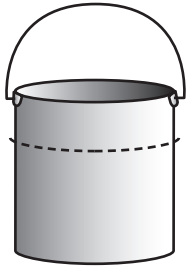


YEAR 5 NUMERACY

10

This bucket holds 10 litres when filled to the top.
The dotted line shows how much water is in the bucket.

Shade one bubble.



About how much water is in the bucket?

3 litres

5 litres

7 litres

9 litres

11



All these objects are most like

cubes.

prisms.

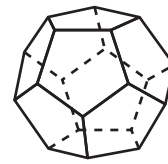
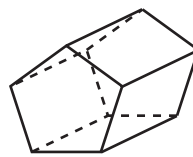
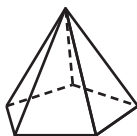
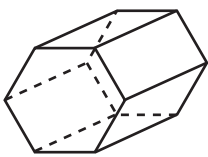
spheres.

pyramids.

12

Ruth made a 3D object using only pentagons and rectangles as faces.

Which object could she have made?

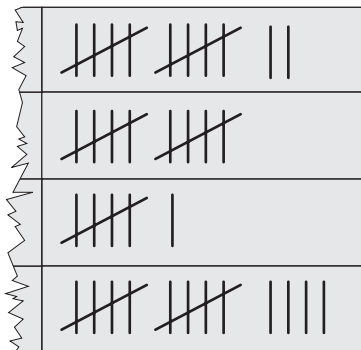


YEAR 5 NUMERACY

13

Asha asked her friends to choose one colour they liked. She made a tally sheet to record their answers but the colour names were torn off the sheet.

Write your answer in the box.



Asha remembered that:

- blue was the most liked colour
- pink was the least liked colour
- green was liked more than red.

How many of her friends liked **red**?

14

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?

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

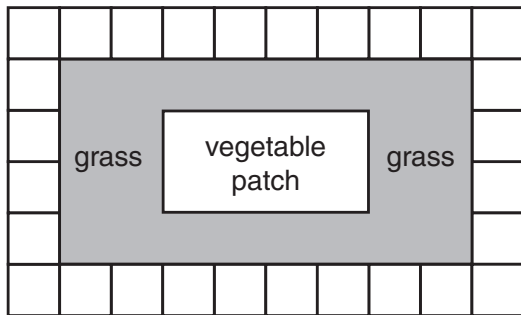
Shade one bubble.


YEAR 5 NUMERACY

16

This is a diagram of a garden.

Shade one bubble.



 = 1 square metre

What is the area of the vegetable patch?

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

17



At what time do the fireworks start tonight?

9:08

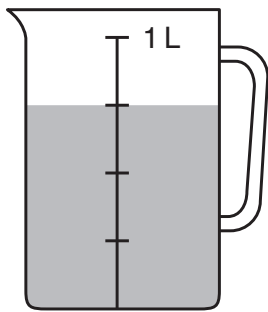
7:09

8:45

7:45

YEAR 5 NUMERACY

18



Shade one bubble.



How much **more** water is needed to fill the jug to 1 L?

200 mL

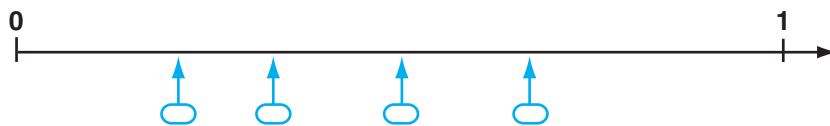
250 mL

300 mL

750 mL

19

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



20

At a bakery, buns cost \$0.50 each or 5 for \$2.

What is the lowest cost of 12 buns?

\$4.00

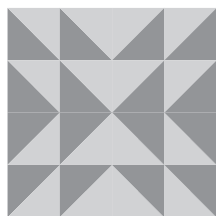
\$4.50

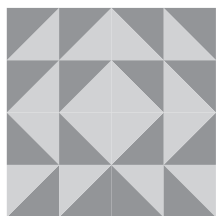
\$5.00

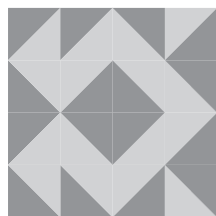
\$6.00

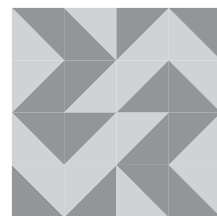
21

Which pattern does **not** have any lines of symmetry?









YEAR 5 NUMERACY

22

Lisa put her dolls in order of height.
The heights made a pattern.

Shade one bubble.



Doll 1
8.75 cm



Doll 2
7 cm



Doll 3
5.25 cm



Doll 4
?



Doll 5
1.75 cm

What is the height of Doll 4?

2.75 cm

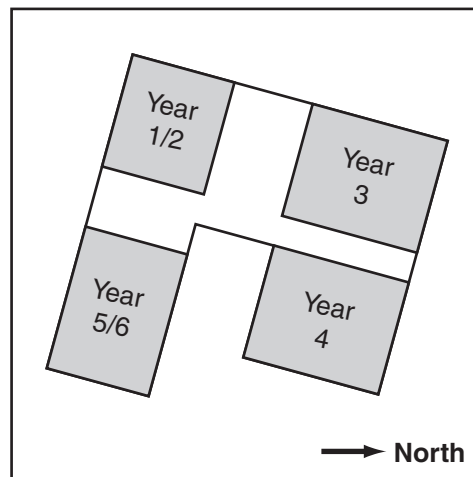
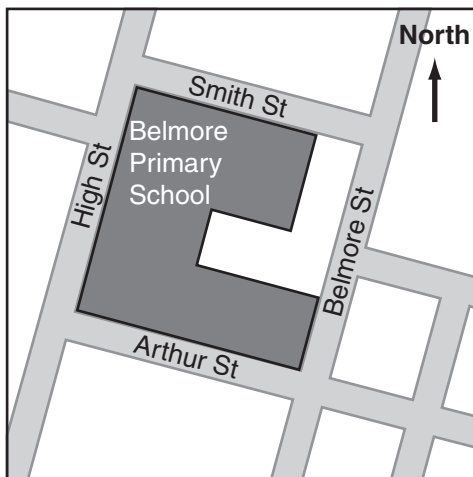
3.25 cm

3 cm

3.5 cm

23

A school's website shows these two plans of the school.



Which classroom is by the corner of High Street and Smith Street?

Year 1/2

Year 3


Year 4

Year 5/6

YEAR 5 NUMERACY

24

Robert recorded this data about some members of his family.

Shade one bubble. 

Name	Gender	Height (cm)	Age (years)	Shoe size
Ted	Male	148	10	6
Rania	Female	167	14	9
Luke	Male	175	52	10
Judy	Female	159	54	8 $\frac{1}{2}$

How did Robert order his data?

by gender

by height

by age

by shoe size

25

A gecko is about 8 cm long.

A frilled-neck lizard is about 6 times as long as a gecko.

The difference between the length of a frilled-neck lizard and of a gecko is about

2 cm

14 cm

40 cm

48 cm

26

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?

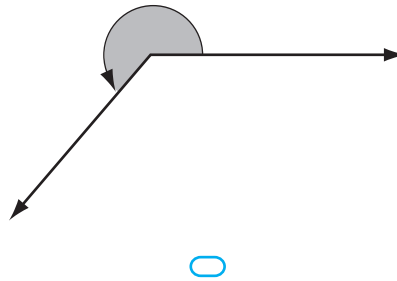
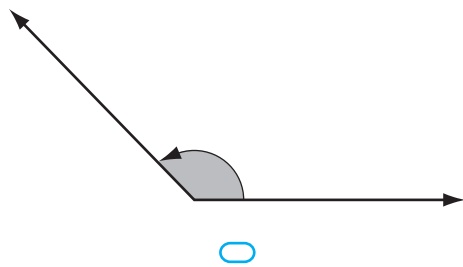
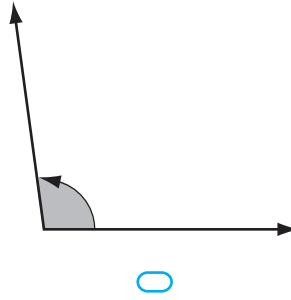
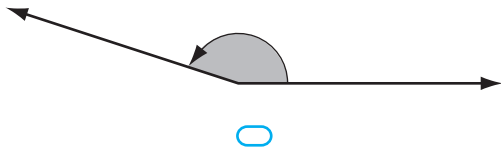
- He is more likely to be named Jack than Joshua.
- He is certain to be named William.
- He is less likely to be named Oliver than Thomas.
- It is impossible that he will be named Christopher.

YEAR 5 NUMERACY

27

Which angle is closest to 100° in size?

Shade one bubble.



28

In 4 years time Jodie will be 20 years old.
Steve will then be half Jodie's age.

How old is Steve **now**?

6

8

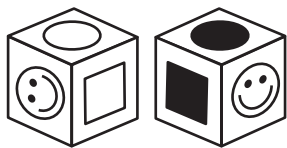
10

16



29

Here are two pictures of the same cube.
Each face has a different symbol on it.



Which face is opposite to the  face?

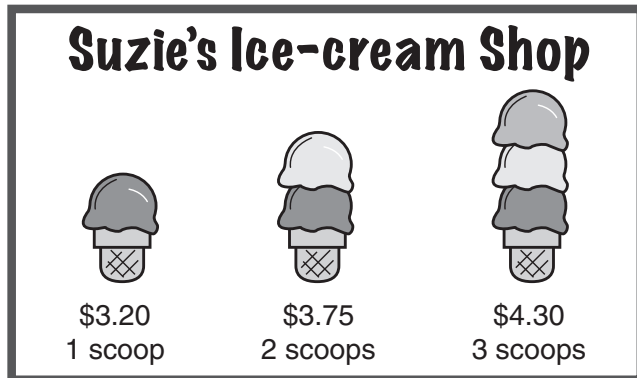


YEAR 5 NUMERACY

30

This picture shows the prices of some ice-creams at Suzie's Ice-cream Shop.

Write your answer in the box.



Each extra scoop of ice-cream costs the same amount of money.

How much will one ice-cream with **5 scoops** cost?

\$

31

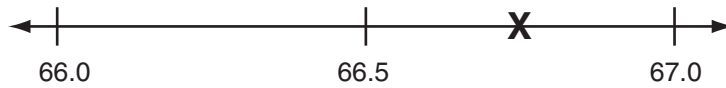
A movie ticket for one adult costs \$12.

A movie ticket for one child is three-quarters of the cost of an adult ticket.

What is the cost of tickets for **two** children?

\$

32



Shade one bubble.

Which number is at **X** on this number line?

65.65

66.50

66.55

66.75

YEAR 5 NUMERACY

33

$$144 \div 8 = 9 \times \text{?}$$

Shade one bubble.

- 2 4 16 18

34

The Big Pineapple in Queensland is 16 m tall.
Nina has a real pineapple that is 25 cm tall.

About how many times taller is the Big Pineapple than Nina's pineapple?

- 15
 30
 40
 60



35

The top of each desk in a classroom is 80 cm long and 60 cm wide.

The desks are joined together end-to-end in rows of 4 as shown.



Write your answer in the box.

What is the perimeter of this row of 4 desks?

cm

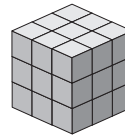
36

Kim made this large cube using 27 small cubes.

The large cube has 6 faces.

Kim removed some of the small cubes.

The remaining object had 12 faces.



What was the **smallest** number of small cubes Kim could have removed?

YEAR 5 NUMERACY

37

27 students in a class had one vote each for a class captain. They voted for Ben, Erin or Tim.

Ben got 3 more votes than Erin.

Ben got 6 more votes than Tim.

How many votes did **Ben** get?

Write your answer in the box.



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?

39

54 students were asked whether they played football or cricket.

The table shows the results.

Plays football	Plays cricket	Plays neither football nor cricket	Plays both football and cricket
28	23	12	?

How many students play **both** football and cricket?

40

In the Chinese calendar, 2011 is the Year of the Rabbit.

The Year of the Rabbit occurs every 12 years.

What year was the first Year of the Rabbit after 1960?

STOP – END OF TEST

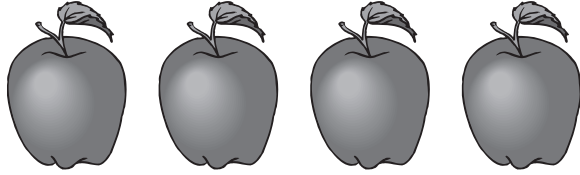
YEAR 5 NUMERACY

PRACTICE QUESTIONS

P1

How many apples are shown?

Shade one bubble.



3

4

5

6

P2

Nick had three dollars.
He spent one dollar.

How much money does he have left?

\$

Write your answer in the box.

P3

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

$6 + 5 =$