



MINISTERIAL COUNCIL ON EDUCATION,
EMPLOYMENT, TRAINING AND YOUTH AFFAIRS

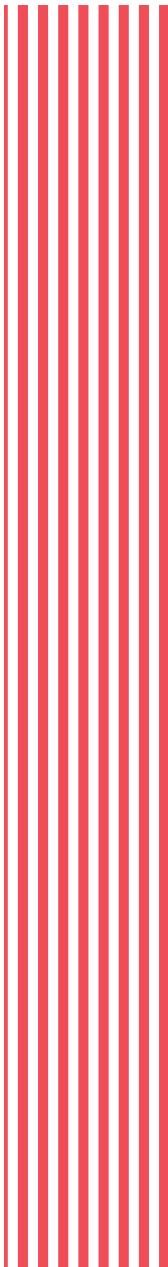
NATIONAL ASSESSMENT PROGRAM
LITERACY AND NUMERACY

NUMERACY

YEAR

5

2008



0:50

Time available for students to complete
test: 50 minutes

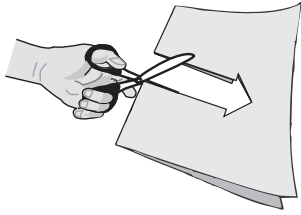
Use 2B or HB
pencil **only**



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YEAR 5 NUMERACY

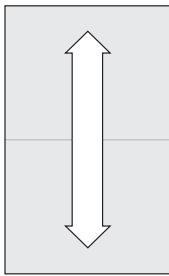
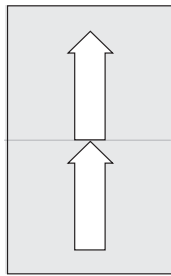
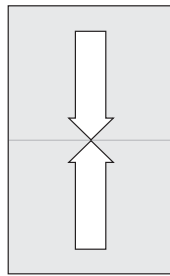
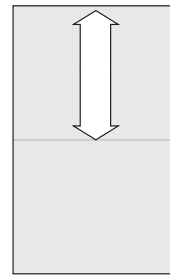
- 1 Ben folds a piece of paper in half and cuts out an arrow.



Shade one bubble.



What does the paper look like when he unfolds it?

☐☐☐☐

- 2 Which number is **four thousand and seventy-six**?

4067

☐

4760

☐

4706

☐

4076

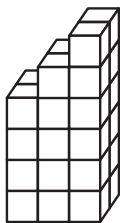
☐

- 3 Which pair of scissors has its blades opened to the **largest** angle?

☐☐☐☐

YEAR 5 NUMERACY

- 4 This solid stack was made using identical cubes.



Shade one bubble.



How many cubes are in the stack?

15

☐

21

☐

23

☐

30

☐

- 5 Erin has shaded boxes in a counting pattern starting at 4.

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	32	33	34	35	36	37	38	39	40

What is the **next** number Erin should shade in this pattern?

34

☐

36

☐

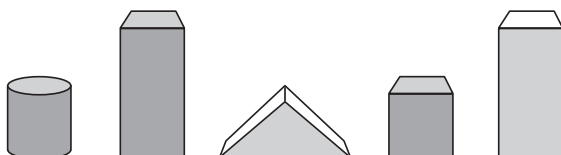
38

☐

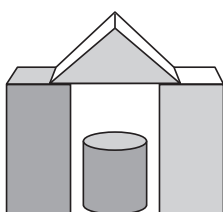
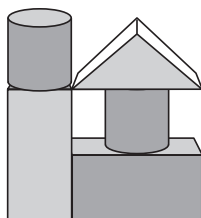
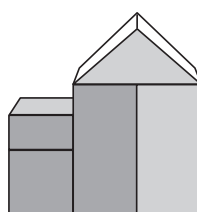
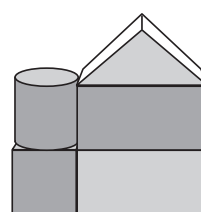
40

☐

- 6 Miro used **all** five of these blocks to make a building.

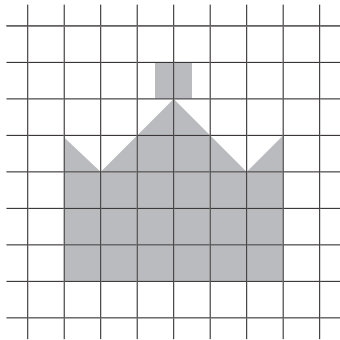


Which one of these buildings did he build?


☐

☐

☐

☐

YEAR 5 NUMERACY

7



☐ = 1 square unit

Shade one bubble.



The shaded area on this grid, in square units, is closest to

18

☐

24

☐

28

☐

36

☐

8

Leena asked 100 students how many hours of television they watched in one week. This table shows her results.

TELEVISION WATCHED			
	10 hours or less	More than 10 hours	Total
Males	12	28	40
Females	38	22	60
Total	50	50	100

How many female students watched television for 10 hours or less?

22

☐

38

☐

50

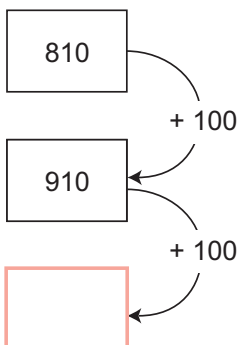
☐

60

☐

9

What is the next number in this pattern?



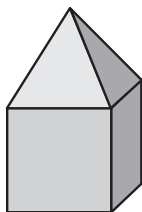
Write your answer in the box.



YEAR 5 NUMERACY

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

Shade one bubble.



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

4

☐

8

☐

9

☐

11

☐

- 11** $5427 \div 9 =$

?

63

☐

603

☐

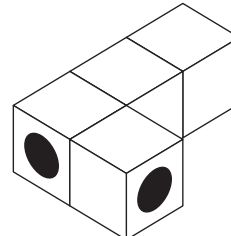
630

☐

6003

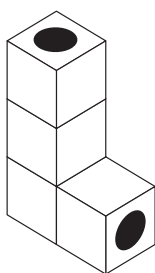
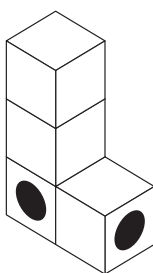
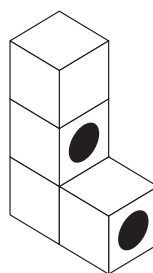
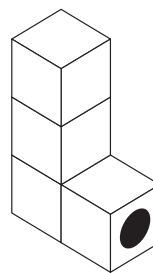
☐

- 12** Anna glued four cubes together to make this object.
She coloured two circles on her object.



Anna then moved her object.

Which one of these is Anna's object?


☐

☐

☐

☐

YEAR 5 NUMERACY

- 13** Sue has \$2.25. She needs 35 cents **more** to buy this drink.

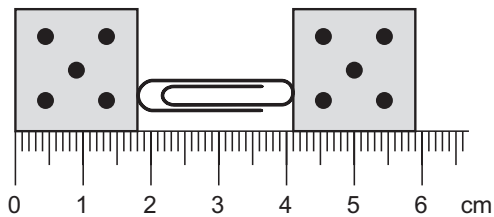


Write your answer in the box.



How much does the drink cost? \$

- 14** This picture shows a paperclip between two dice on a ruler.



Shade one bubble.



What is the length of the paperclip?

18 mm

☐

20 mm

☐

23 mm

☐

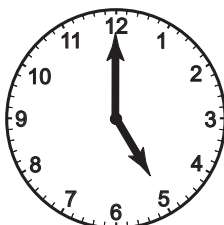
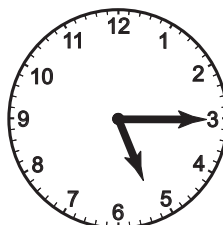
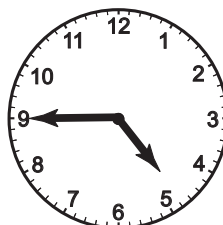
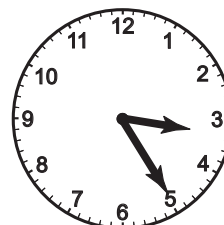
41 mm

☐

- 15** This photo was taken at 5:15 pm.



Which clock shows when the photo was taken?


☐

☐

☐

☐

YEAR 5 NUMERACY

- 16 A bag of 3 apples costs \$2.00.



Shade one bubble.



What is the largest number of **apples** that can be bought for \$10.00?

5

☐

6

☐

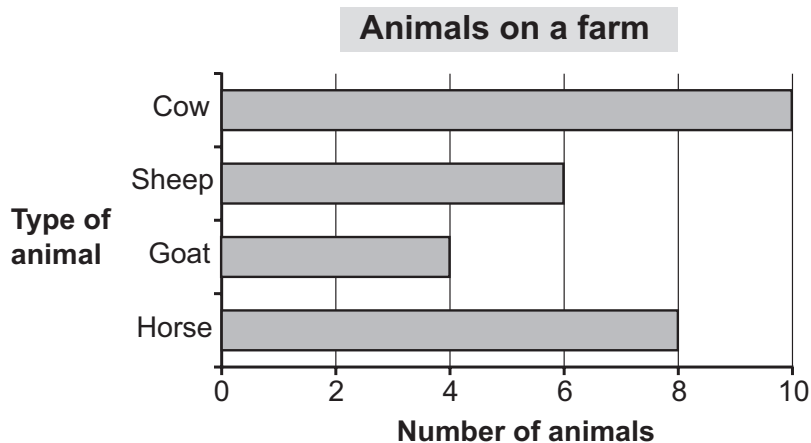
15

☐

20

☐

- 17 This graph shows the number of animals on a farm.

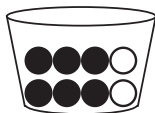
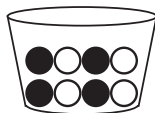


Which statement is true?

- ☐ There are more goats than cows.
- ☐ There are more horses than cows.
- ☐ There are fewer sheep than goats.
- ☐ There are fewer sheep than horses.

- 18 Lee takes one ball out of his bucket without looking.
It is very likely, but not certain, that he will get a **black** ball.

Which is Lee's bucket?

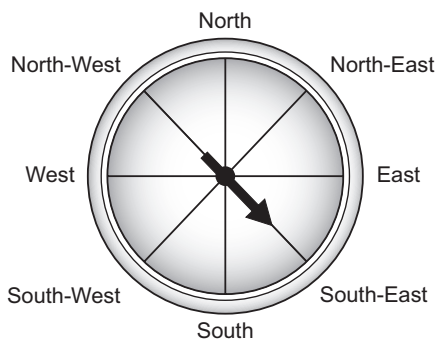

☐

☐

☐

☐

YEAR 5 NUMERACY

- 19** The arrow is pointing South-East.



Shade one bubble.



Nikita turns the arrow a quarter-turn clockwise.

Which direction is the arrow pointing after the turn?

South-West

South-East

South

North-East

☐
☐
☐
☐

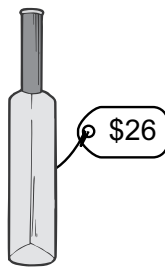
- 20** What is the missing number?

$$4 \times \boxed{} = 8 \times 3$$

Write your answer in the box.



- 21**



Shade one bubble.



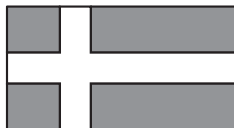
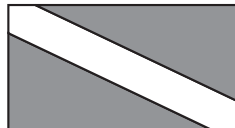
What is the best way to estimate the total cost of these three objects?

- ☐ \$40 + \$20 + \$90
- ☐ \$40 + \$20 + \$100
- ☐ \$40 + \$30 + \$90
- ☐ \$40 + \$30 + \$100

YEAR 5 NUMERACY

- 22** Which flag has exactly **two** lines of symmetry?

Shade one bubble.


☐

☐

☐

☐

- 23** Which number is greater than 0.08?

0.1

☐

0.009

☐

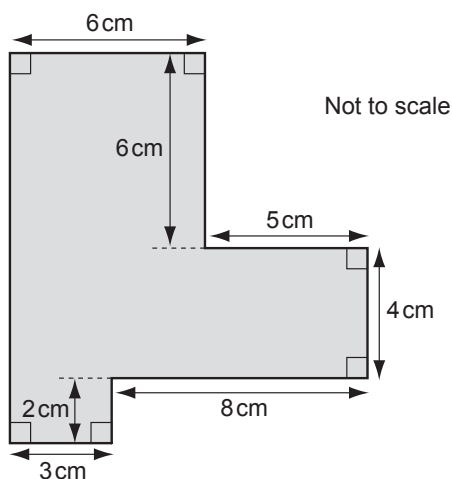
0.07

☐

0.0089

☐

- 24**



What is the perimeter of this shape?

34 cm

☐

36 cm

☐

46 cm

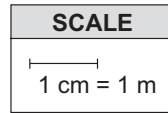
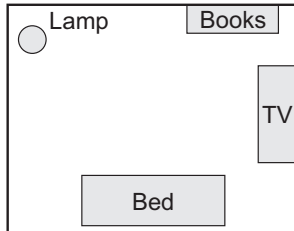
☐

74 cm

☐

YEAR 5 NUMERACY

- 25** Here is the plan of a room.



Shade one bubble.



The distance in the room from the Lamp to the TV is closest to

3.5 cm

☐

35 cm

☐

3.5 m

☐

35 m

☐

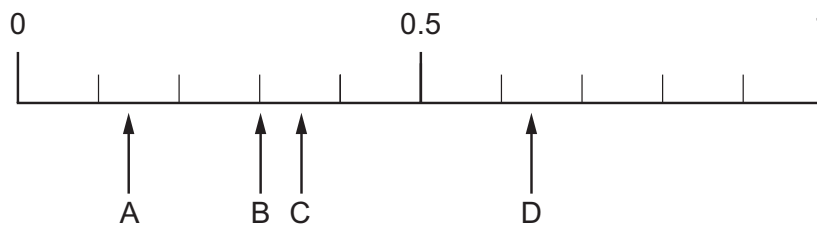
- 26** Lin divided 342 by a number.
She got 34.2 as the answer.

Write your answer in the box.



What number did Lin divide by?

- 27**



Shade one bubble.



Which arrow is closest to 0.35 on this number line?

A

☐

B

☐

C

☐

D

☐

YEAR 5 NUMERACY

- 28** This is a movie program.

Shade one bubble.



PROGRAM		
Movie	Start time	Length
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

☐

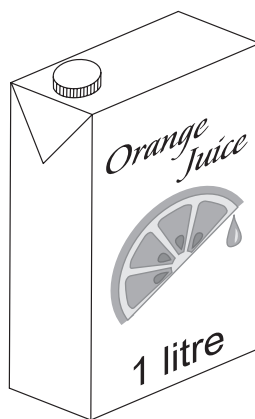
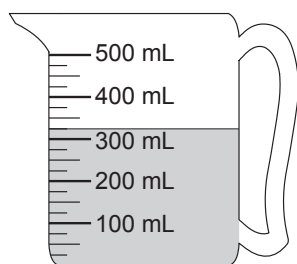
The King

☐

Kids at School

☐

- 29** This picture shows how much juice Aki poured into an empty jug from a full 1 litre carton.



The amount of juice **left** in the carton is closest to

175 mL

☐

325 mL

☐

675 mL

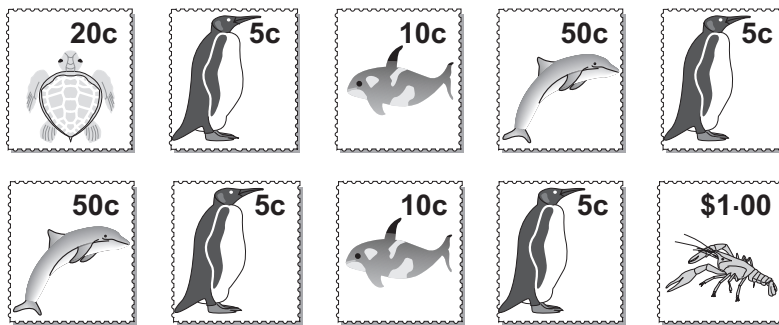
☐

825 mL

☐

YEAR 5 NUMERACY

- 30** Miki turned these stamps over and mixed them up.



Shade one bubble.



He selects one at random.

What is the chance of Miki selecting a 5c stamp?

1 out of 4

☐

1 out of 5

☐

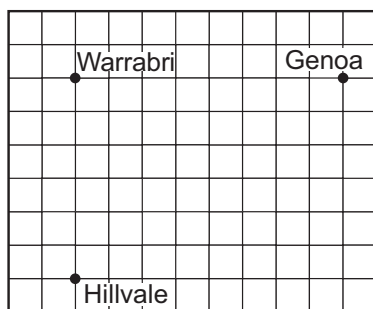
2 out of 5

☐

4 out of 6

☐

- 31** This grid shows the position of three towns.



KEY
• Town

The shortest distance between Warrabri and Genoa is 24 km.

What is the shortest distance between Warrabri and Hillvale?

6 km

☐

12 km

☐

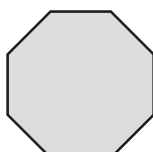
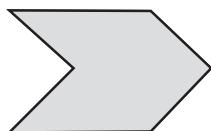
18 km

☐

20 km

☐

- 32** Which one of these shapes is a hexagon?


☐

☐

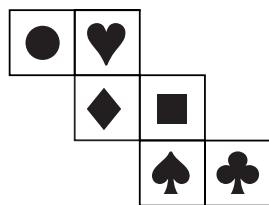
☐

☐

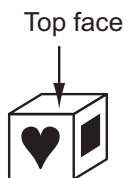
YEAR 5 NUMERACY

- 33** This net is folded to make the cube.

Shade one bubble.



net



cube

Which shape is missing from the top face of the cube?


☐

☐

☐

☐

- 34** Write one number in each blank box to make this number sentence true.

Write your answer in the boxes.

$$\begin{array}{|c|c|c|} \hline 2 & \square & 7 \\ \hline \end{array} + \begin{array}{|c|c|c|} \hline 6 & \square & \\ \hline \end{array} = \begin{array}{|c|c|c|} \hline 3 & 0 & 2 \\ \hline \end{array}$$

- 35**

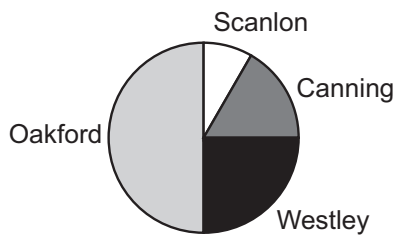


What is the largest **even** number that can be made using only three of these cards?

Write your answer on the blank cards.

YEAR 5 NUMERACY

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



Shade one bubble.



About how many students live in Scanlon?

25

☐

50

☐

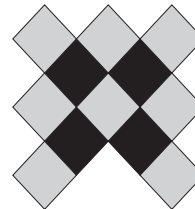
75

☐

100

☐

- 37** This shape was made using 12 tiles.



What fraction of the tiles in the shape is black?

$\frac{4}{8}$

☐

$\frac{1}{3}$

☐

$\frac{1}{4}$

☐

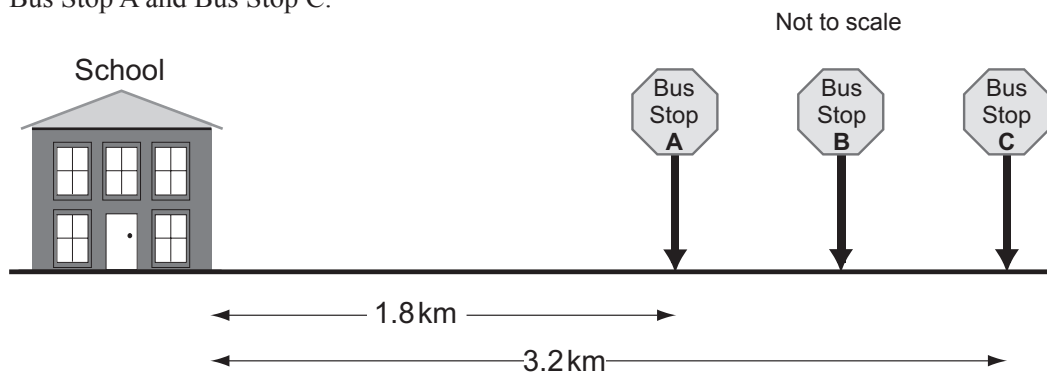
$\frac{1}{8}$

☐

- 38** This picture shows the position of three bus stops on the road leading to a school.

Bus Stop B is **exactly halfway** between Bus Stop A and Bus Stop C.

Write your answer in the box.



What is the distance between the **School** and **Bus Stop B**?

 km

YEAR 5 NUMERACY

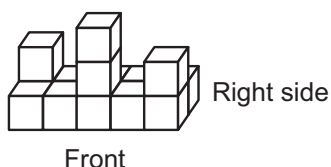
39 The number 53.07 is equal to

- ☐ 5 tens + 3 ones + 7 tenths.
- ☐ 5 tens + 3 ones + 7 hundredths.
- ☐ 5 hundreds + 3 tens + 7 tenths.
- ☐ 5 thousands + 3 hundreds + 7 ones.

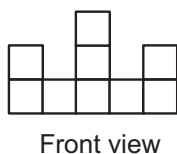
Shade one bubble.



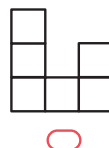
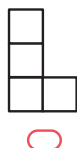
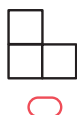
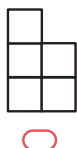
40 This object was made using identical cubes.



This is a drawing of the view from the front.



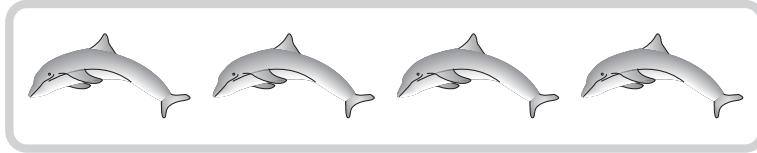
Which drawing shows the view from the right side?



END OF TEST

YEAR 5 NUMERACY PRACTICE QUESTIONS

P1 How many dolphins are shown on this card?



Shade one bubble.



3

☐

4

☐

5

☐

6

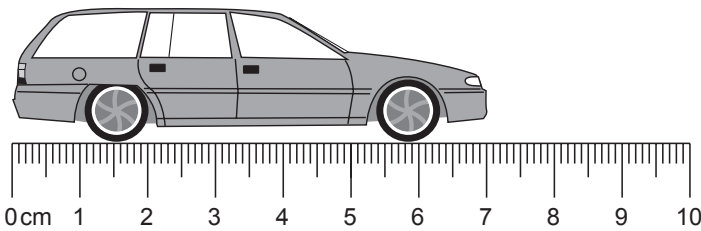
☐

P2 $6 + 4 =$

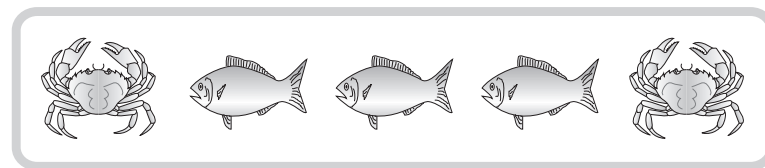
Write your answer in the box.



P3 What is the length of this toy car to the nearest centimetre (cm)?

 cm

P4



Write your answer in the boxes.



How many fish and crabs are shown on this card?

fish

and

crabs