



MINISTERIAL COUNCIL ON EDUCATION,
EMPLOYMENT, TRAINING AND YOUTH AFFAIRS

NATIONAL ASSESSMENT PROGRAM
LITERACY AND NUMERACY

NUMERACY

YEAR

5
2009

0:50

Time available for students
to complete test: 50 minutes

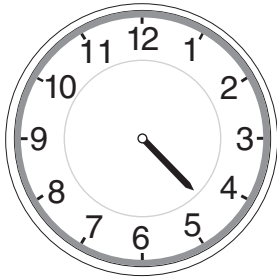
Use 2B or HB
pencil only



YEAR 5 NUMERACY

- 1 The minute hand is missing.

Shade one bubble.



What time could this clock be showing?

4 o'clock

☐

half past 4

☐

5 o'clock

☐

half past 5

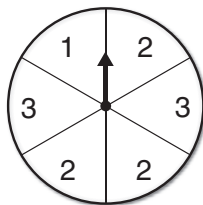
☐

- 2 $38 + 26 =$

Write your answer in the box.



- 3 Andy spins the arrow on his spinner.

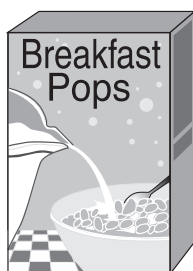


Which number is the arrow **most** likely to stop on?

YEAR 5 NUMERACY

4 This 3D object is a

- ☐ cube.
- ☐ prism.
- ☐ cylinder.
- ☐ pyramid.



Shade one bubble.



5

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

☐

6

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

$$10 + 3 + 2$$

☐

$$10 \times 3 + 2$$

☐

$$10 \times 3 + 3$$

☐

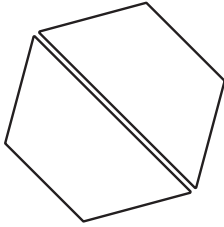
$$10 \times 3 + 6$$

☐

YEAR 5 NUMERACY

- 7 A regular hexagon is cut in half like this.

Shade one bubble.



The shape of each half is a

rectangle.

☐

pentagon.

☐

hexagon.

☐

trapezium.

☐

- 8 46, 40, 34, ?

What is the next number in this counting pattern?

26

☐

28

☐

30

☐

38

☐

9

BEAN BAG THROWS

Name	Distance in metres
Peter	13
Ali	10
Sam	6
Ella	12
Jo	14

What is the difference in metres between the longest and the shortest bean bag throws?

6

☐

7

☐

8

☐

9

☐

YEAR 5 NUMERACY

10 Anita recorded the weather for 2 weeks in the table below.

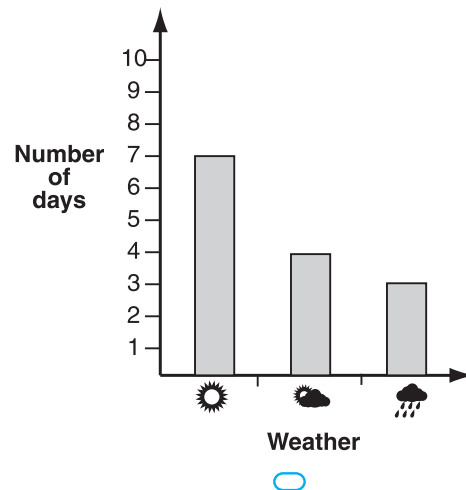
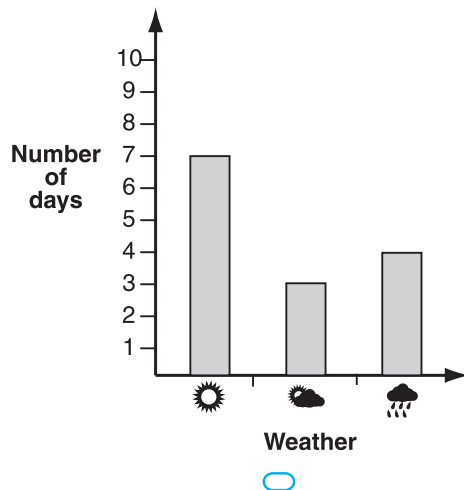
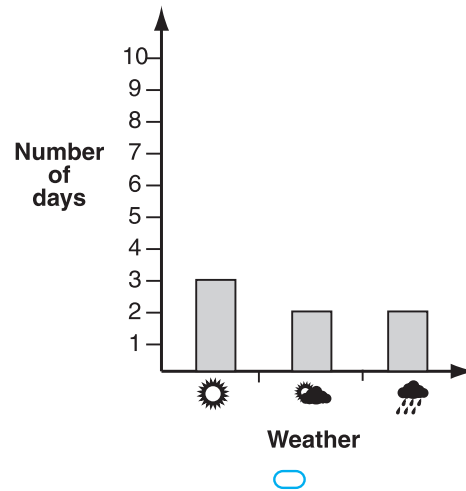
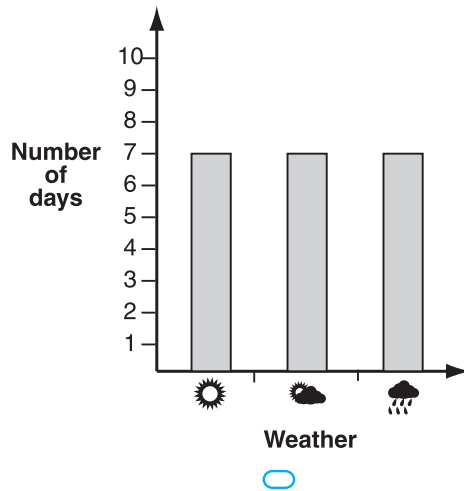
Shade one bubble.



	Sun	Mon	Tues	Wed	Thurs	Fri	Sat
Week 1							
Week 2							

She then drew a graph of the results.

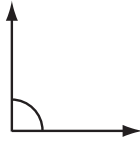
Which graph shows Anita's results for the 2 weeks?



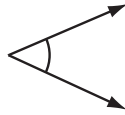
YEAR 5 NUMERACY

11 Which shows a **reflex** angle?

Shade one bubble.



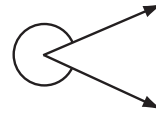
☐



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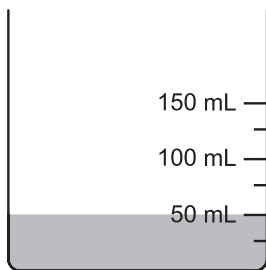


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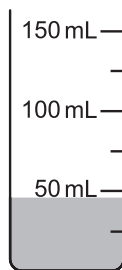


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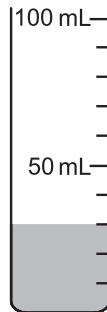
12 Which container has the **least** liquid?



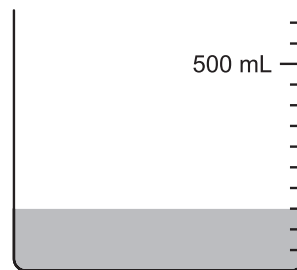
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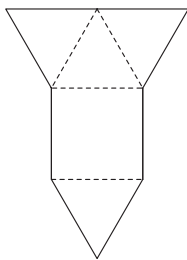


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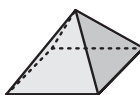


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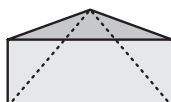
13



Which 3D object can be made from this net?



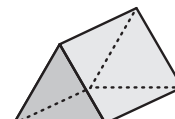
☐



☐



☐



☐

YEAR 5 NUMERACY

- 14** This is a train timetable.

Write your answer in the box.



DEPARTURE TIMES				
Central	6:20am	9:50am	2:52pm	7:00pm
Rainer	6:31am	10:01am	3:03pm	7:11pm
Bradford	6:43am	10:13am	3:15pm	7:23pm
St Marks	6:53am	10:23am	3:25pm	7:33pm

What time does the last morning train depart from Central?

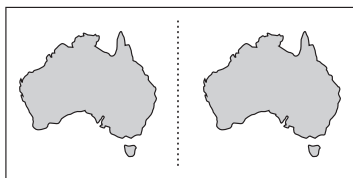
- 15**

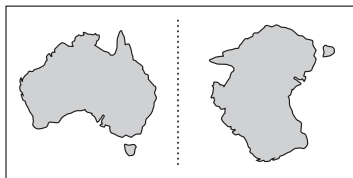


Shade one bubble.



Which shows the map of Australia flipped over the dotted line?

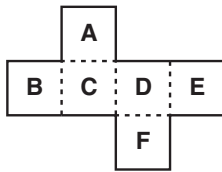

☐

☐

☐

☐

YEAR 5 NUMERACY

- 16** Hannah folds this net to make a cube.



Write your answer
in the box.



Which face is opposite face C?

- 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** Clare bought 3 kg of bananas.



Shade one
bubble.



About how much did Clare pay?

\$2

☐

\$3

☐

\$5

☐

\$6

☐

YEAR 5 NUMERACY

- 19** Peter has 68 stamps. Laura has 52 stamps.

Shade one bubble.



How many stamps should Peter give to Laura so they both have the same number of stamps?

8

☐

16

☐

60

☐

120

☐

- 20** A group of students paid \$4 each to see a show.
Altogether the group paid \$124.

How many students were in the group?

30

☐

31

☐

34

☐

51

☐

- 21** Eight children share 2 pies equally.

How much pie will each child get?

$\frac{1}{2}$

☐

$\frac{1}{4}$

☐

$\frac{1}{8}$

☐

$\frac{1}{16}$

☐

- 22** A rectangular paddock has a perimeter of 50 metres.
Each long side has a length of 15 metres.

Write your answer in the box.

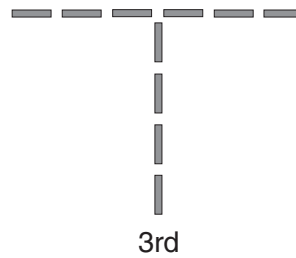
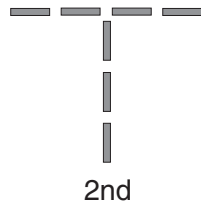
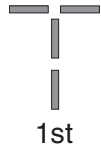


What is the length of each short side?

metres

YEAR 5 NUMERACY

23



Shade one bubble.



How many sticks are needed to make the **6th** shape in this pattern?

13

☐

18

☐

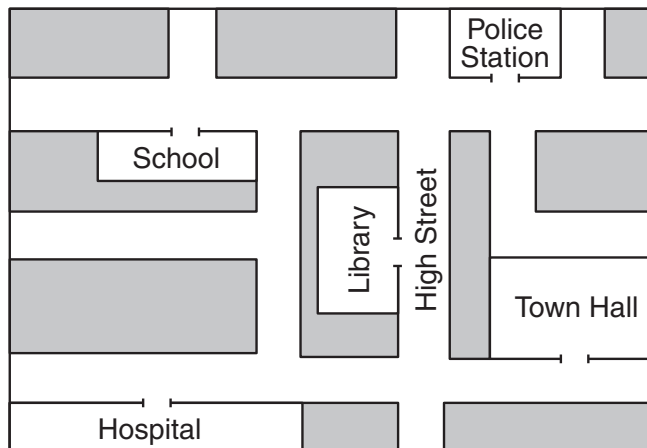
19

☐

24

☐

24



Jenny leaves the Library and turns right into High Street.
She then turns left at the next corner and walks straight ahead.

Which building does she pass?

School

☐

Hospital

☐

Police Station

☐

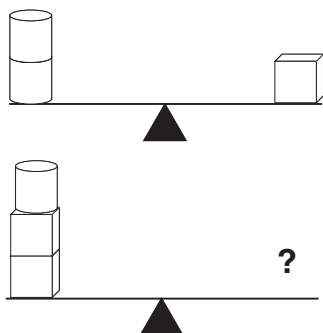
Town Hall

☐

YEAR 5 NUMERACY

- 25** The first balance shows that 2 cans have the same mass as 1 block.

Shade one bubble.



How many **cans** balance 2 blocks and 1 can?

3

☐

4

☐

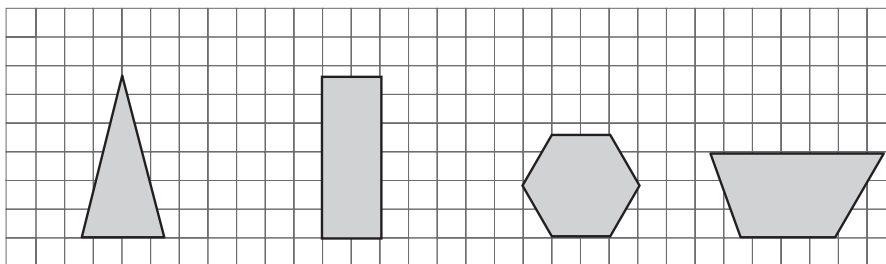
5

☐

6

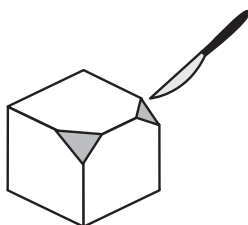
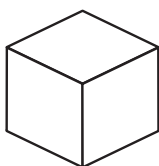
☐

- 26** Which shape has **no** parallel sides?


☐
☐
☐
☐

- 27** Sam cut 2 corners off a cube as shown.

Write your answer in the box.



How many **edges** does the object now have?

YEAR 5 NUMERACY

28

George started in a fun run at 11:36 am.
He finished at 12:19 pm on the same day.

Shade one
bubble.



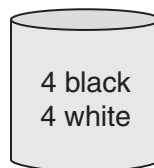
How long did it take George to complete the fun run?

- ☐ 43 minutes
- ☐ 55 minutes
- ☐ 1 hour 23 minutes
- ☐ 1 hour 17 minutes

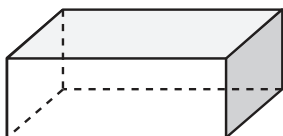
29

This picture shows the number of black and white jelly beans in 4 jars.
Annie shakes the jars.
Annie is going to take 1 jelly bean without looking.

Which jar gives Annie the **best chance** of taking a black jelly bean?



30



The total number of faces, edges and vertices of this 3D object is 26.

What is the total of the number of faces, edges and vertices of a **square pyramid**?

13



16



18



20



YEAR 5 NUMERACY

- 31** There are 121 students in Jane's school.
There are between 21 and 26 students in each class.

Shade one bubble.



How many classes are there in Jane's school?

4 ☐ 5 ☐ 6 ☐ 7 ☐

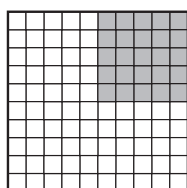
- 32** Which measurement is equal to 1500 centimetres?

0.15 m ☐ 1.5 m ☐ 15 m ☐ 150 m ☐

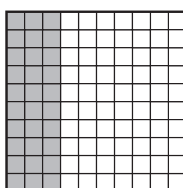
- 33** Dan shaded a fraction of this long rectangle.



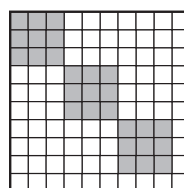
Which grid shows the same fraction shaded?



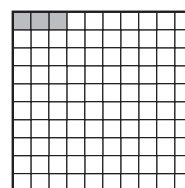
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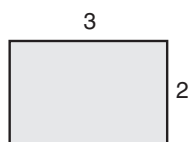


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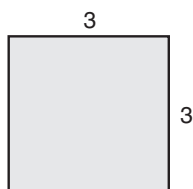


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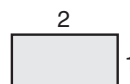
- 34** Which shape has an **area** of 6 square units?



☐



☐



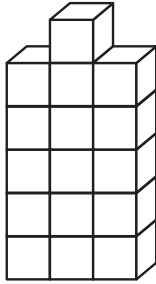
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☐

YEAR 5 NUMERACY

35



Write your answer
in the box.



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?

36

Keith has 4 dogs and a 20 kg bag of dog food.
Each dog eats 100 g of dog food a day.

How many days will the bag of dog food last?

5 days

☐

20 days

☐

50 days

☐

200 days

☐

Shade one
bubble.



37

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

Write your answer
in the box.



38

A baker made a total of 175 rolls on the weekend.
She made 15 **more** rolls on Saturday than on Sunday.

How many rolls were made on **Sunday**?

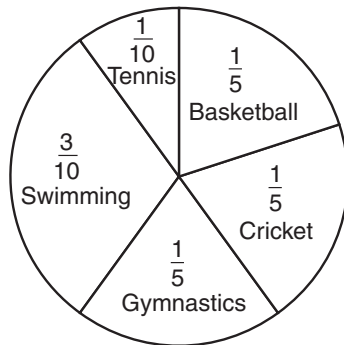
YEAR 5 NUMERACY

- 39** 40 students each voted for their favourite sport.
The fractions in this graph show how the students voted.

Write your answer
in the box.



Favourite Sports



How many **more** students voted for Swimming than Tennis?

students

- 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.

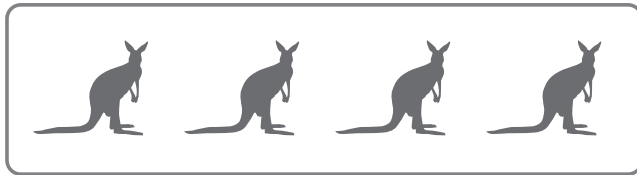
How many **Gold** medals did the Rockets win?

END OF TEST

YEAR 5 NUMERACY

PRACTICE QUESTIONS

P1



Shade one bubble.



How many kangaroos are shown on this card?

3

☐

4

☐

5

☐

6

☐

P2

$7 + 3 =$

Write your answer in the box.



P3

Dots	Number
•	1
• •	2
• • •	?

How many dots are in the last row of this table?