

NUMERACY

YEAR

5

2013

0:50

Time available for students to
complete test: 50 minutes

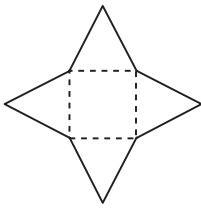
Use 2B or HB
pencil **only**



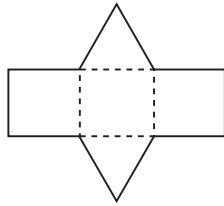
YEAR 5 NUMERACY

1

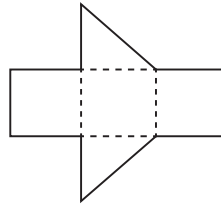
Which of these nets will fold to make a pyramid?



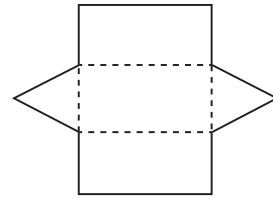
☐



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2

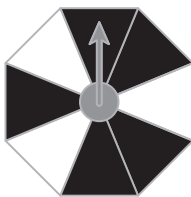
This spreadsheet shows the names of students in three teams.

	A	B	C	D
1	Team 1	Team 2	Team 3	
2	Tom	Amy	Bob	
3	Kate	Jack	Raj	
4	Meg	Chris	Nina	
5				

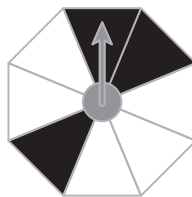
Which student's name is in cell B3?

3

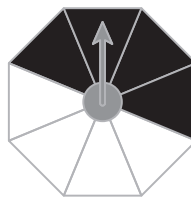
On which of these spinners is the arrow most likely to land on black?



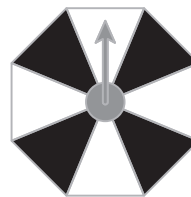
☐



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4

Six children shared 50 chocolates.

Four of these children got 10 chocolates each.

The other two, Lily and Sam, shared the rest of the chocolates equally.

How many chocolates did Lily get?

5

☐

10

☐

25

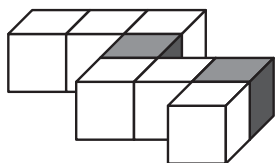
☐

40

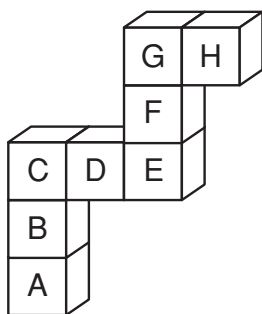
☐

5

Mel made this model by joining 6 white cubes and 2 grey cubes.



Mel turns her model.



Which two letters show the positions of the grey cubes?

and

6

$$- 15 = 20$$

YEAR 5 NUMERACY

7

There are 50 presents in a basket.

Only one of the presents is a toy car.

Liz takes one of the presents without looking.

Which of these describes the chance that she will take the toy car?

impossible

☐

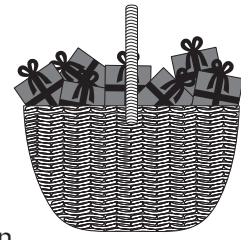
unlikely

☐

likely

☐

certain

☐


8

Anna asks people in her school if they like cats.

She draws this graph of her results.

like cats	     	KEY  = 2 people
do not like cats	   	

How many **more** people like cats than do not like cats?

2

☐

3

☐

4

☐

5

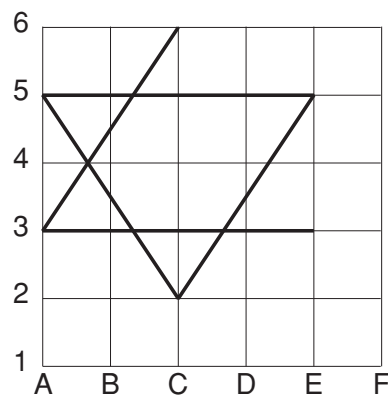
☐

9

Tim has two more points to join on a 6-pointed star.

One of these points is C6.

What is the other point?



A5

☐

E3

☐

E5

☐

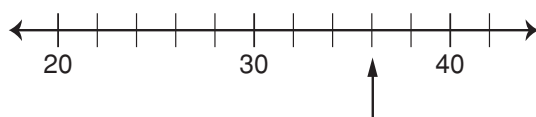
F3

☐

YEAR 5 NUMERACY

10

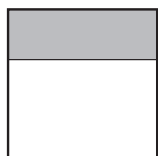
What number is the arrow pointing to on this number line?



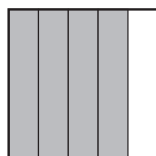
- ☐ 38
- ☐ 36
- ☐ 35
- ☐ 33

11

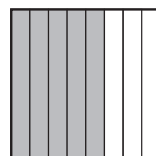
Which of these squares has the largest fraction of its area shaded?



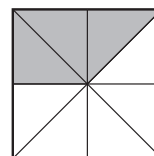
☐



☐



☐



☐

12

Neela makes a tally chart to show how many gold coins she has.

Coins	Tally
	
	

What is the total value of Neela's gold coins?

\$16

☐

\$19

☐

\$23

☐

\$27

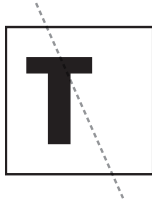
☐

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13

Matt painted the letter T on a paper square.

He folded the paper square along the dotted line while the paint was still wet.



He then unfolded the paper square.

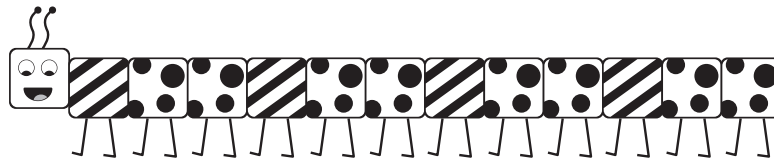
What was on the square?



14

The body of a soft toy caterpillar has spotted and striped parts.

These make a pattern.



Which of these, when repeated, will make the pattern?



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15

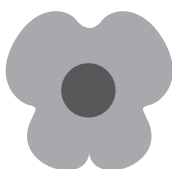
 represents $\frac{2}{3}$

What represents one whole?

- ☐ 
- ☐ 
- ☐ 
- ☐ 

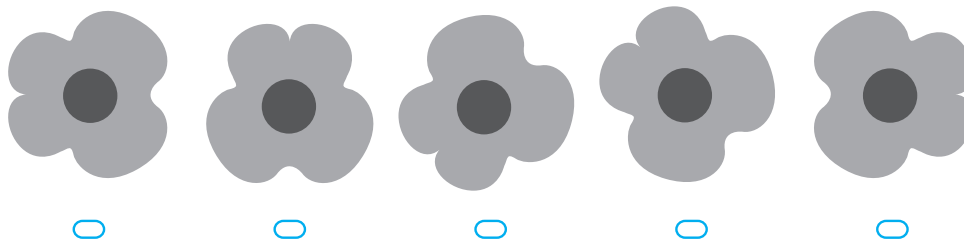
16

This is Kim's badge.



She turns it a quarter turn clockwise.

Which of these shows the new position of the badge?



17

Jay went to the library at 11:10 am.

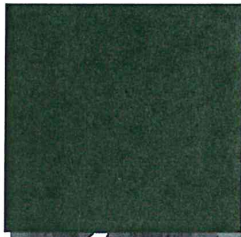
The time is now 2:28 pm.

How long has Jay been at the library?

- ☐ 1 hour 38 minutes
- ☐ 3 hours 18 minutes
- ☐ 3 hours 38 minutes
- ☐ 4 hours 18 minutes

YEAR 5 NUMERACY

18



Hi, I'm Jill.
My party is two weeks
from tomorrow.

September						
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 Party	24	25
26	27	28	29	30		

On what date does Jill say this?

- ☐ 8 September
- ☐ 9 September
- ☐ 15 September
- ☐ 16 September
- ☐ 21 September

19

There were some strawberries on a plate.
Nat took half of them. Then she took 1 more.
Five strawberries were left.

How many strawberries were on the plate at the start?

- | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| 4 | 6 | 11 | 12 |
| ☐ | ☐ | ☐ | ☐ |

20

There are 2350 concert tickets for sale.
So far, 1721 tickets have been sold.

How many tickets are left?

- | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| 629 | 631 | 639 | 1431 |
| ☐ | ☐ | ☐ | ☐ |

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21

This shoe print was found in the sand.



Which shoe made the print?



☐



☐



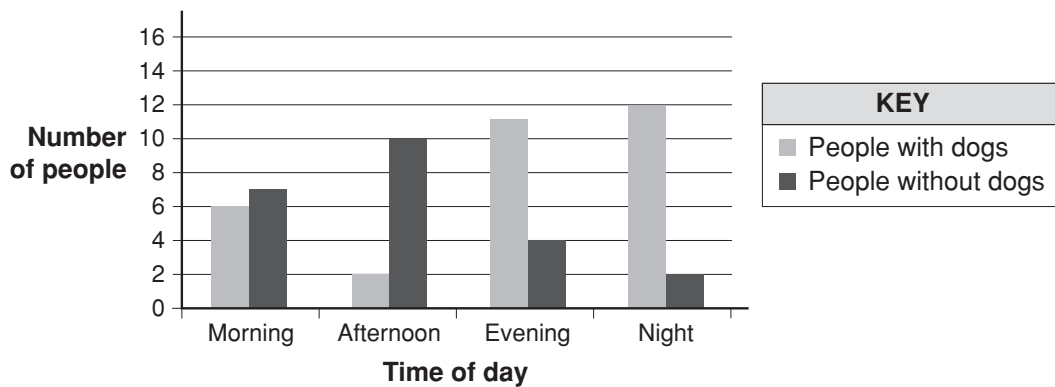
☐



☐

22

Ryan made a graph to show when people used the park.



When did most people use the park?

Morning

☐

Afternoon

☐

Evening

☐

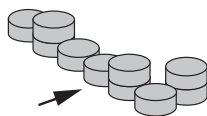
Night

☐

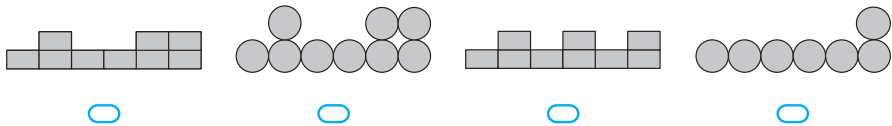
YEAR 5 NUMERACY

23

Alice looked in the direction of the arrow towards this stack of cans.

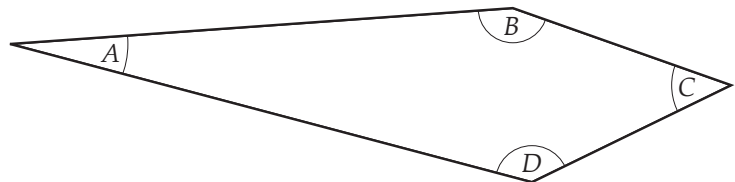


Which is Alice's view of the cans?



24

This shape has 4 angles marked.



Which angle is closest in size to 45° ?



25

Using this table the distance from Lees to Hale is 27 km.

Distance between towns (km)					
Lees					
15	Dixon				
13	28	Alton			
27	41	37	Hale		
23	38	10	28	Ross	
14	29	27	41	12	Hart

What is the distance from Dixon to Ross?



YEAR 5 NUMERACY

26

John and Bella get pocket money each week.

John gets \$4.

Bella gets \$7.

After 11 weeks, Bella will have received more pocket money than John.

How much more?

\$

27

Which of these expressions has a value that is closest to 3?

☐ $3\frac{1}{2} + \frac{1}{4}$

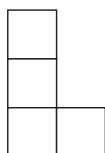
☐ $4\frac{1}{4} - 1\frac{3}{4}$

☐ $5 - 1\frac{1}{2}$

☐ $1\frac{1}{2} + 1\frac{3}{4}$

28

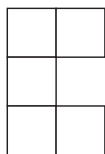
Zac used 4 squares to make this shape.



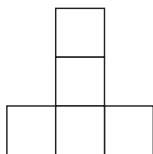
He added 1 more square.

His new shape has no line of symmetry.

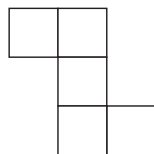
Which of these is Zac's new shape?



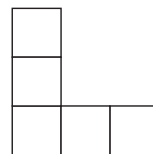
☐



☐



☐

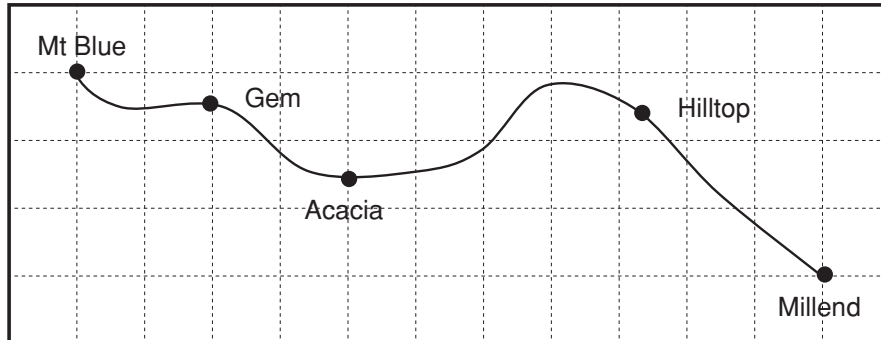


☐

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29

This grid map shows the names of some places along a hiking track.
The distance between Mt Blue and Gem is about 25 km.



Which of these is closest to the distance from Acacia to Hilltop along the track?

30 km

☐

45 km

☐

55 km

☐

70 km

☐

30

Ten people share a prize of \$8750.
They keep \$850 each and give the rest to a charity.
How much money in total do they give to the charity?

\$7900

☐

\$790

☐

\$250

☐

\$25

☐

31

Joe has four notes in his wallet.
The total value of the notes is \$75.
Which type of note is **not** in Joe's wallet?

\$5

☐

\$10

☐

\$20

☐

\$50

☐

32

A shop sells packets of toy cars. There are 7 cars in a packet.
Each packet costs \$6.
What is the largest number of cars that can be bought for \$50?

42

☐

48

☐

54

☐

56

☐

63

☐

YEAR 5 NUMERACY

33

There were 23 958 people at a football match.

One-third of the people at the match supported the away team.

Which of these is closest to the number of people at the match who supported the away team?

700

☐

800

☐

7000

☐

8000

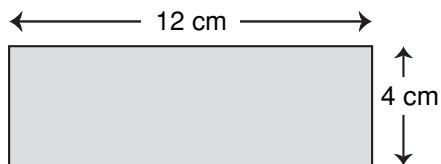
☐

34

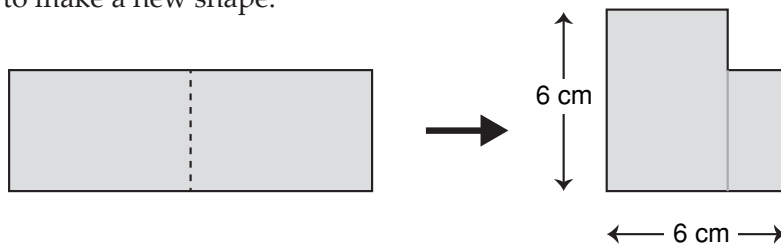
$$37.5 \div \boxed{} = 3.75$$

35

Luke starts with this paper rectangle.



He cuts the rectangle in half as shown and places one half over the other to make a new shape.



What is the perimeter of Luke's new shape?

centimetres

36

Lee paid for some lemons with a \$10 note.

Each of the lemons cost 45 cents.

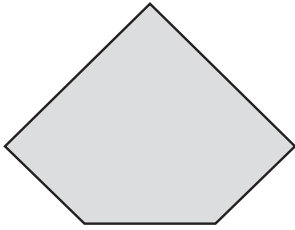
She got \$5.05 change.

How many lemons did Lee buy?

YEAR 5 NUMERACY

37

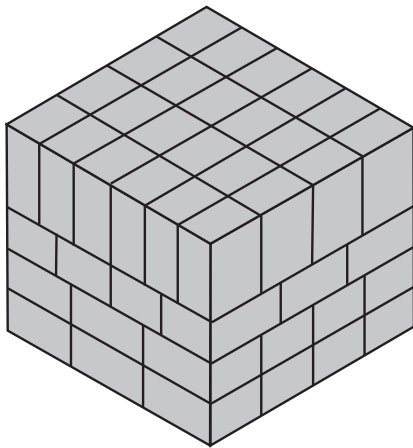
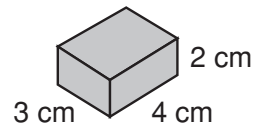
This is one face of a prism.



How many edges does this prism have?

38

Mia has some wooden blocks exactly the same as this one:
She used the blocks to make this solid object.



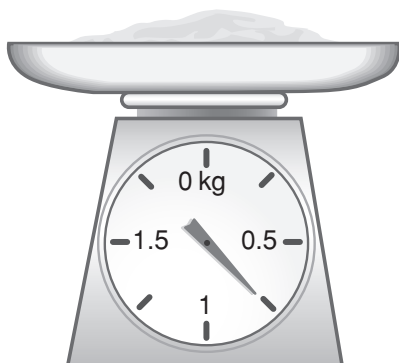
The object has 6 faces.

How many blocks did she use?

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39

Jack needs 1.25 kg of flour.
He puts some flour on the scales as shown.

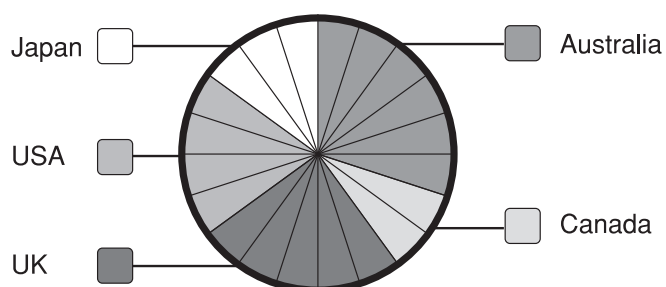


How many more **grams** of flour does Jack need?

grams

40

Emma collected data on the TV programs she watched last month.
This graph shows how many programs were made in each country.



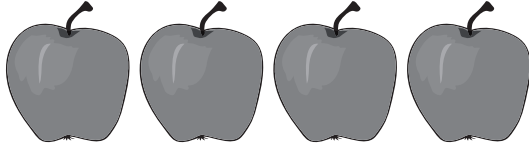
Emma watched 9 more Australian programs than Japanese programs.
How many programs did she watch in total?

STOP – END OF TEST

YEAR 5 NUMERACY

PRACTICE QUESTIONS

P1 How many apples are shown?



3

☐

4

☐

5

☐

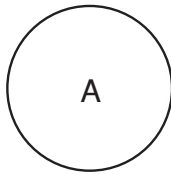
6

☐

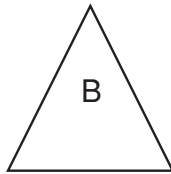
P2 Write a number in the box to make this number sentence correct.

$6 + 4 =$

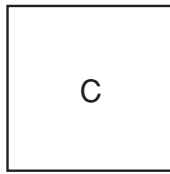
P3 Which of these shapes are circles?



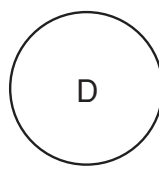
A



B



C



D

and