

NUMERACY

YEAR
5
2014

50 mins Time available for students to
complete test: 50 minutes

Use 2B or HB
pencil **only**



YEAR 5 NUMERACY

1

Jack is counting up by threes.

2, 5, 8, 11, ?

What number should Jack say next?

12

13

14



15



2



Mitch tossed a coin 10 times.



He got 4 heads and 6 tails.

Which of these correctly shows Mitch's tally?

heads	tails
	

heads	tails
	

heads	tails
	

heads	tails
	

3

There are 70 cats, 105 dogs and 20 rabbits at a pet show.

What is the total number of animals at the show?

175

185

190

195

4

Which clock shows half past 10?

10:05

10:15

10:20

10:30

10:50

YEAR 5 NUMERACY

5

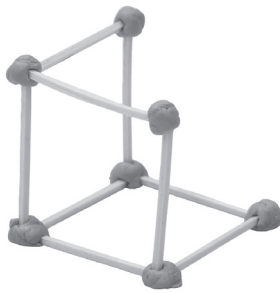
Dan has \$4 more than Lucy.

Which row in this table shows how much money Dan and Lucy could have?

	Dan	Lucy
<input type="radio"/>	\$10	\$40
<input type="radio"/>	\$16	\$20
<input type="radio"/>	\$8	\$2
<input type="radio"/>	\$18	\$14

6

Ben has started to make a model of a cube using toothpicks and clay.



How many **more** toothpicks does Ben need to finish the model?

- 2 3 4 6 9
-

7

Sue needs to buy 16 hats for a party.

The hats are sold in packets of 5.

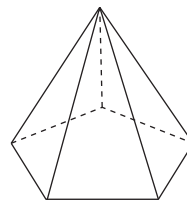
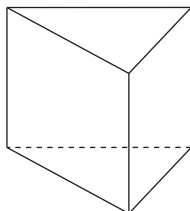
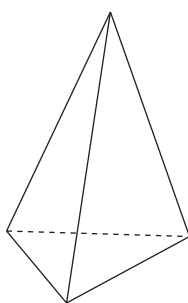
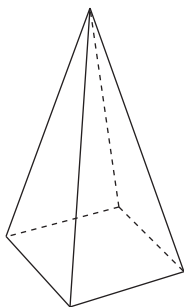
How many packets does she need to buy?

- 3 4 21 80
-

YEAR 5 NUMERACY

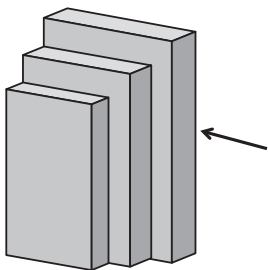
8

Which object is **not** a pyramid?

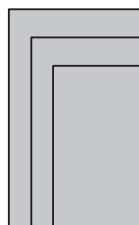
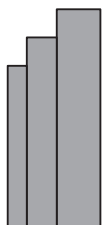
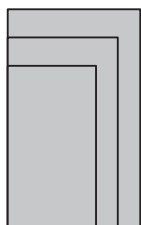


9

Claire is looking at some boxes in the direction shown by the arrow.



What does she see?



10

In which one of these numbers does the numeral 5 represent 5 hundreds?

5003



605



150

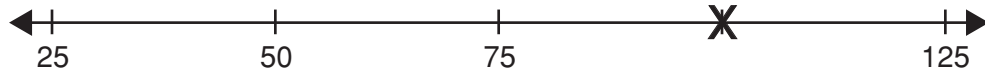


3582



YEAR 5 NUMERACY

11



What number is marked with **X** on this number line?

90

95

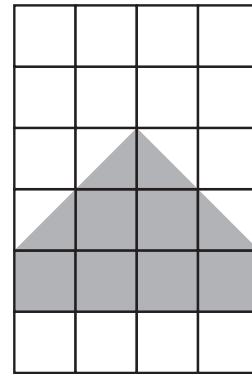
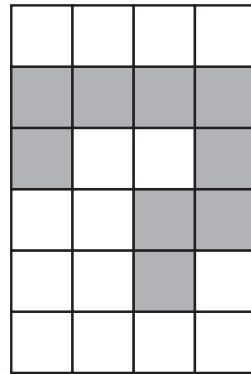
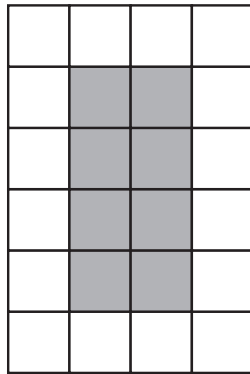
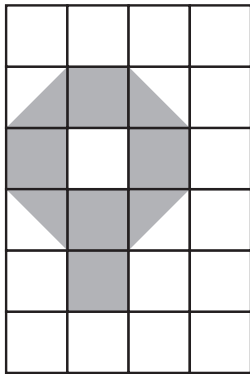
100

105

12

Kate shaded these 4 shapes on grid paper.

Which shape has the **least** shading?



13

Zak has \$79.



How much more money does he need to buy the bike?

\$64

\$66

\$74

\$76

YEAR 5 NUMERACY

14

Matt and his friends are putting up some tents.

Each tent needs 8 pegs. Each peg can only be used for one tent.

They have 100 pegs.

What is the maximum number of tents they can put up?

4

8

12

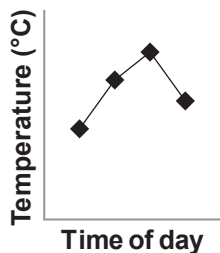
13

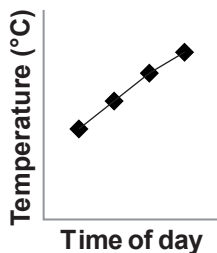
15

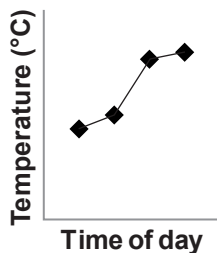
On Monday Kai measured the temperature every 2 hours from 9:00 am to 3:00 pm.

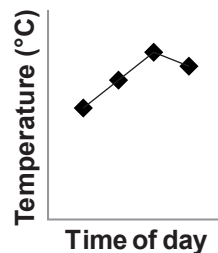
Time of day	9:00 am	11:00 am	1:00 pm	3:00 pm
Temperature (°C)	13	20	24	17

Which graph shows Kai's results?





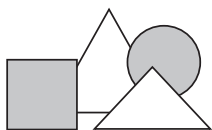




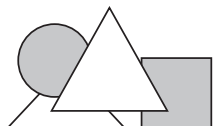
16

Liam sticks 2 triangles, a circle and a square on his bedroom window.

They look like this from the inside of his room.

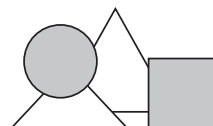


What do they look like from the outside?









YEAR 5 NUMERACY

17

November						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					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

Luke's birthday is 4 November.

Ella's birthday is 6 days before Luke's birthday.

On which day of the week is Ella's birthday?

Sunday

Monday

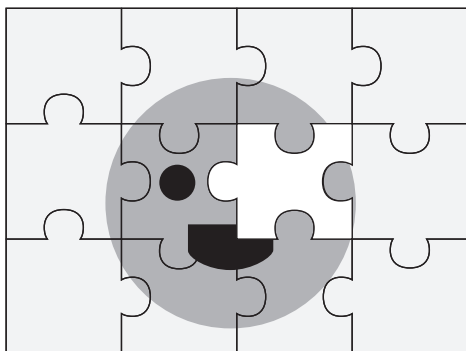
Tuesday

Wednesday

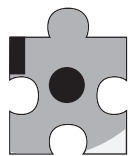
Thursday

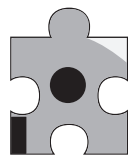
18

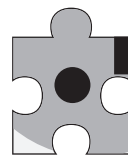
Bella needs one more piece to complete the face on this puzzle.

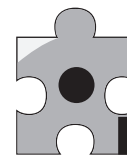


Which of these is the correct piece?





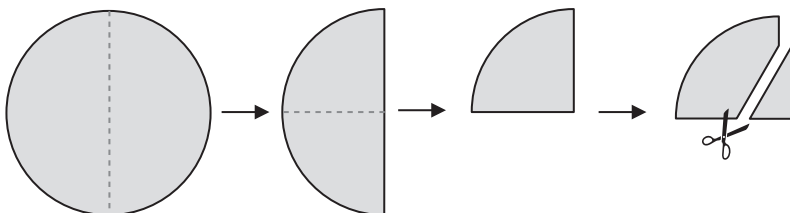




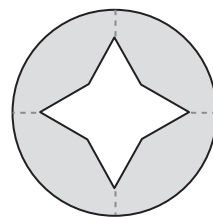
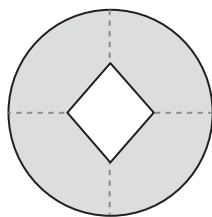
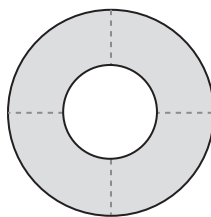
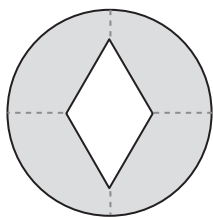
YEAR 5 NUMERACY

19

Mike had a circular piece of paper.
He folded it in half twice and cut a piece out as shown.



How will the piece of paper look when he unfolds it?



20

Ted uses sticks to make a pattern.
He starts with 2 sticks for Stage 1.

Stage 1	Stage 2	Stage 3	Stage 4
2 sticks	6 sticks	12 sticks	20 sticks

How many sticks does Ted need for Stage 6?

24



26



30



42



YEAR 5 NUMERACY

21

Grace poured half a litre of milk into a jug.

How many millilitres did she pour into the jug?

- 50
- 250
- 500
- 2000
- 5000

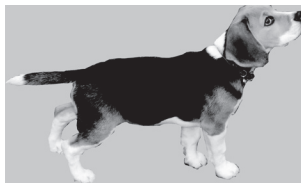
22

Tim has this picture on his computer.



He makes the picture twice as high and half as wide.

How will the picture look after he does that?



23

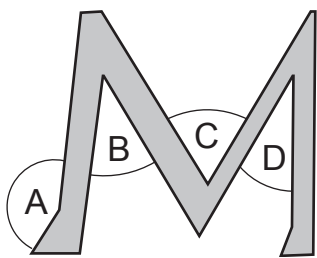
Jen put one shape on top of another shape to make this star.



Which two shapes could Jen have used?



24



Which one of these is the largest angle?

A

B

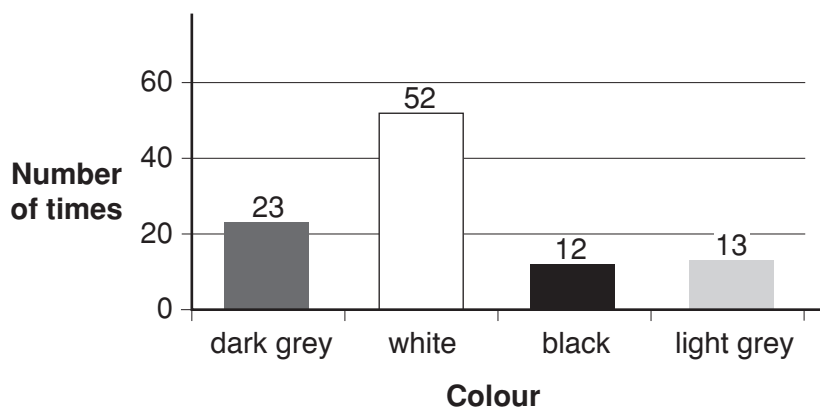
C

D

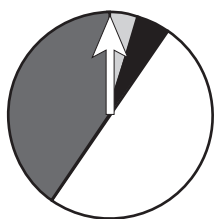
25

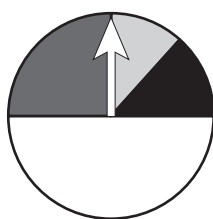
This graph shows the results of 100 spins of a spinner.

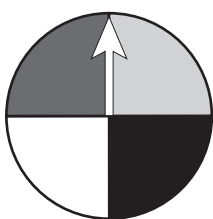
Number of times spinner lands on each colour

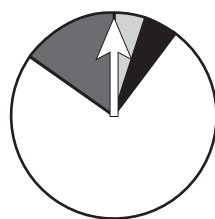


Which of these spinners is most likely to give the results shown in the graph?





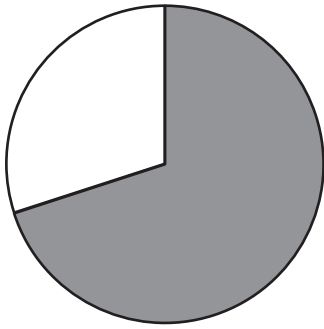




YEAR 5 NUMERACY

26

Lily shaded part of the area of a circle.



Which of these is closest to the fraction of the area of the circle that Lily shaded?

$\frac{1}{2}$

$\frac{2}{5}$

$\frac{3}{8}$

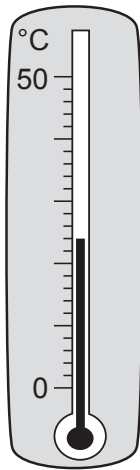
$\frac{7}{10}$

27

$$200 \div \boxed{} = 40$$

28

What is the temperature reading on this thermometer?



12 °C

14 °C

22 °C

24 °C

YEAR 5 NUMERACY

29

Oliver has these cards.



Here are two ways he can arrange all the cards so that two numbers are added to make a total.

$$76 + 38 = 114$$

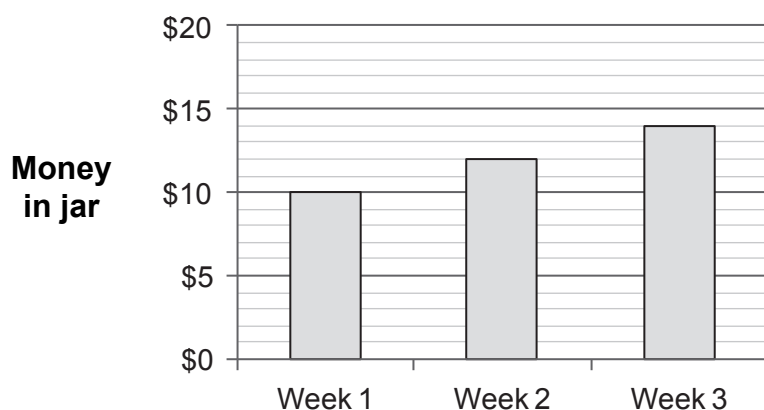
$$367 + 8 = 375$$

What is the largest total Oliver can make using all the cards?

30

Anna adds money to a jar each week.

The graph shows how much money is in the jar at the end of each week.



How much money did Anna add to the jar in Week 3?

\$2

\$4

\$5

\$12

\$14

YEAR 5 NUMERACY

31

Harry used 400 grams of flour to make 24 cupcakes.

How many grams of flour will Harry need to make 36 cupcakes?

grams

32

Which of these has the same value as 4.32?

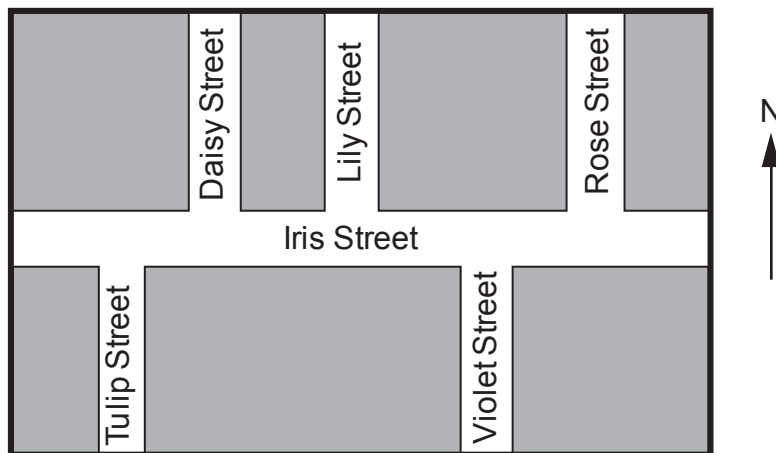
$400 + 30 + 2$

$400 + \frac{32}{100}$

$4 + \frac{3}{100} + \frac{2}{10}$

$4 + \frac{3}{10} + \frac{2}{100}$

33



Levi walked south along Lily Street and then turned right on to Iris Street.

What was the first street he passed on his left?

Tulip Street

Daisy Street

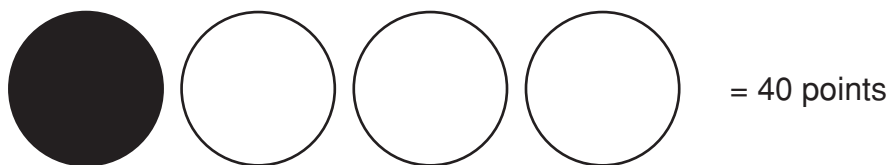
Violet Street

Rose Street

YEAR 5 NUMERACY

34

In a game, each black counter is worth double the points of each white counter.

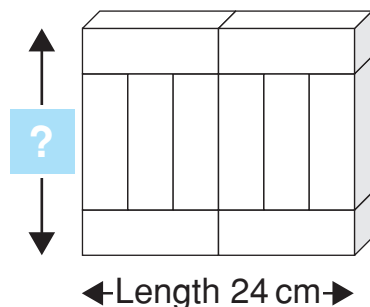


How many points is each black counter worth?

35

Meg has blocks with two square faces.

She makes this model.



What is the height of the model in centimetres?

 centimetres

36

$$\boxed{} - 38 + 16 = 34$$

37

Last year, Emma's time in the fun run was 26 minutes and 4 seconds.

Her time was shown like this:



This year, Emma's time is 2 minutes and 20 seconds faster than last year.

What is Emma's time this year?



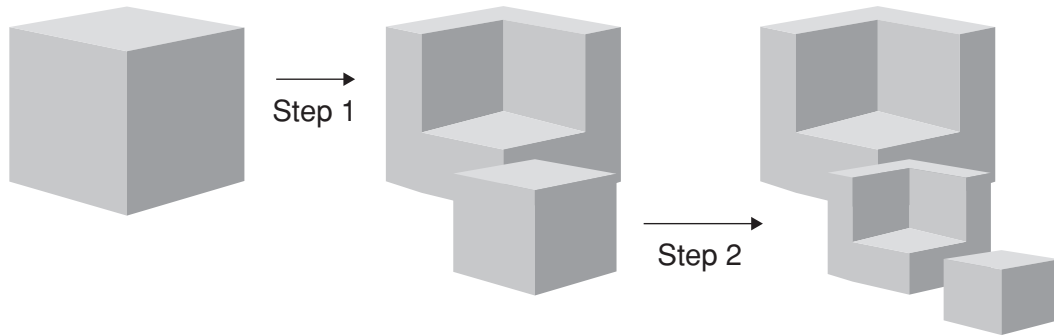
YEAR 5 NUMERACY

38

This drawing shows how a 3-piece sculpture is made from a large cube.

Step 1: A medium cube is cut from a large cube.

Step 2: A small cube is cut from the medium cube.



What is the total number of faces of the three pieces after Step 2, including the bases?

faces

39

Nadia measured the height of two walls in her garden.

One wall was 3.14 metres high.

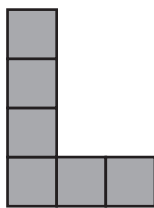
The other wall was 1.25 metres high.

What was the difference in **centimetres** between the two heights?

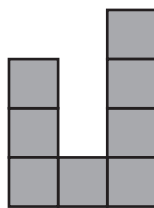
centimetres

40

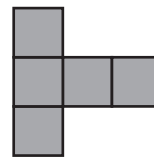
The pictures show the front, side and top views of an object made of cubes.



front view



left side view



top view

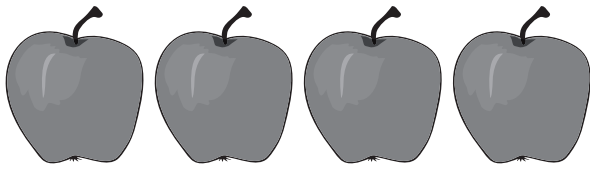
How many cubes are needed to make the object?

STOP – END OF TEST

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.

$6 + 4 =$