NAPLAN NATIONAL ASSESSMENT PROGRAM Literacy and Numeracy

acara AUSTRALIAN CURRICULUM, ASSESSMENT AND REPORTING AUTHORITY

YEAR 5 2014

NUMERACY

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, **?**

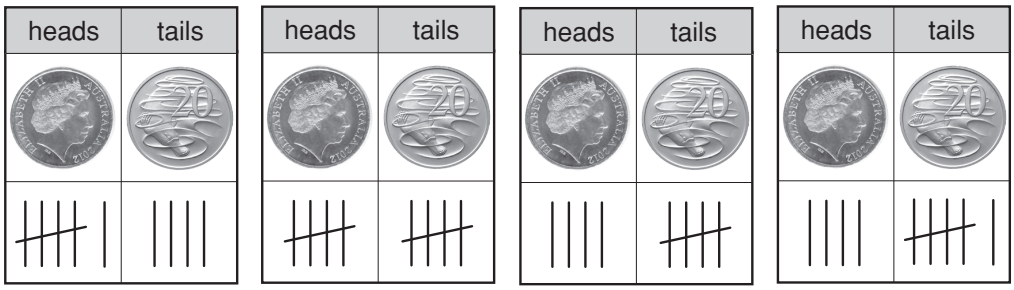
What number should Jack say next?

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?



⬭ ⬭ ⬭ ⬭

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?

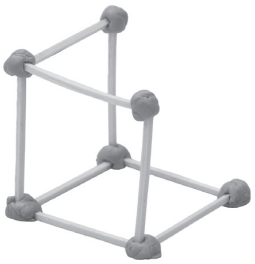
⬭ ⬭ ⬭ ⬭ ⬭

5 Dan has $4 more than Lucy.

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

	Dan	Lucy
⬭	$10	$40
⬭	$16	$20
⬭	$8	$2
⬭	$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
⬭	⬭	⬭	⬭	⬭

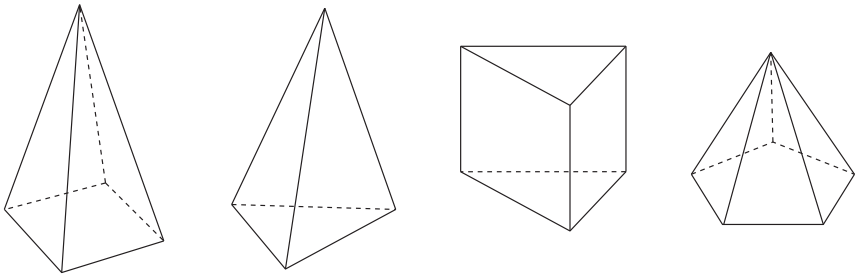
7 Sue needs to buy 16 hats for a party.

The hats are sold in packets of 5.

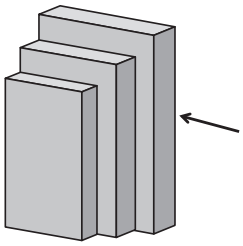
How many packets does she need to buy?

3	4	21	80
⬭	⬭	⬭	⬭

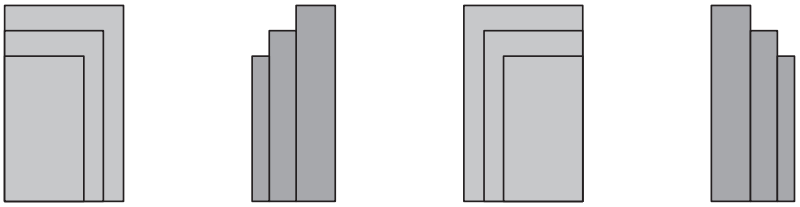
8 Which object is **not** a pyramid?



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



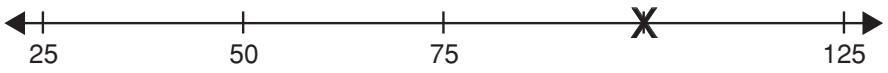
What does she see?



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

5003 605 150 3582

11



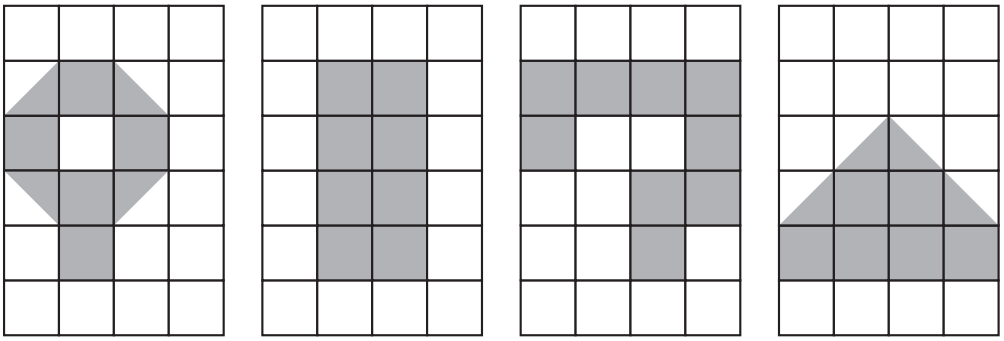
What number is marked with **X** on this number line?

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 ⬭

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.

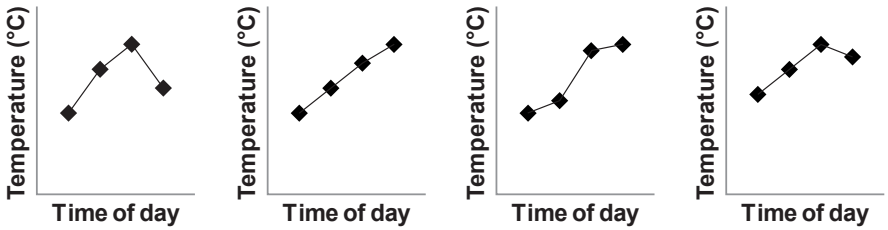
What is the maximum number of tents they can put up?

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

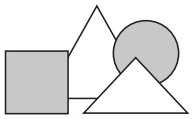
Which graph shows Kai's results?



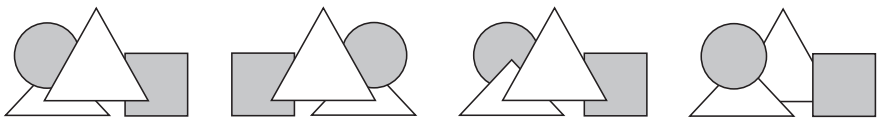
○ ○ ○ ○

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?



○ ○ ○ ○

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.

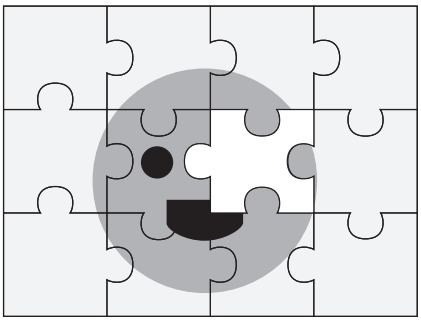
Ella's birthday is 6 days before Luke's birthday.

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

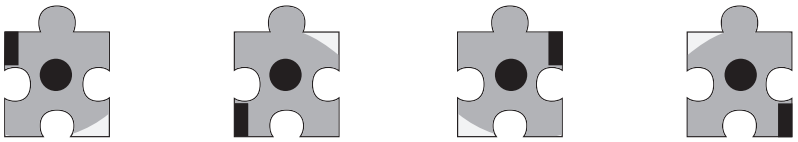
Sunday ⬭ Monday ⬭ Tuesday ⬭ Wednesday ⬭ Thursday ⬭

18

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



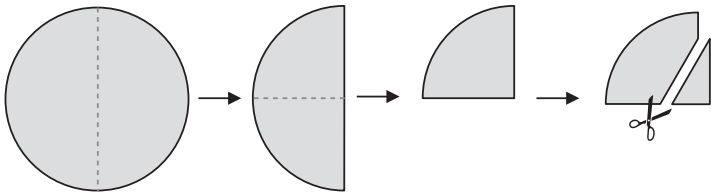
Which of these is the correct piece?



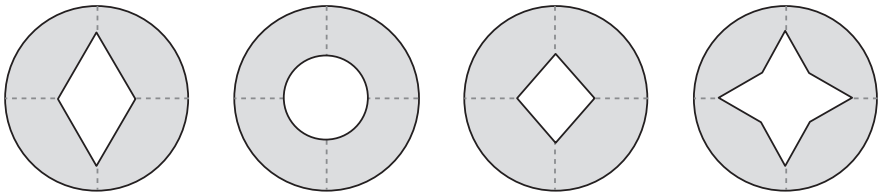
⬭ ⬭ ⬭ ⬭

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 ⬭

21 Grace poured half a litre of milk into a jug.

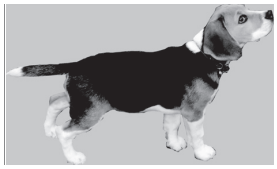
How many millilitres did she pour into the jug?

- ⬭ 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?

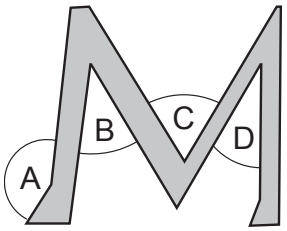
⬭

⬭

⬭

⬭

24

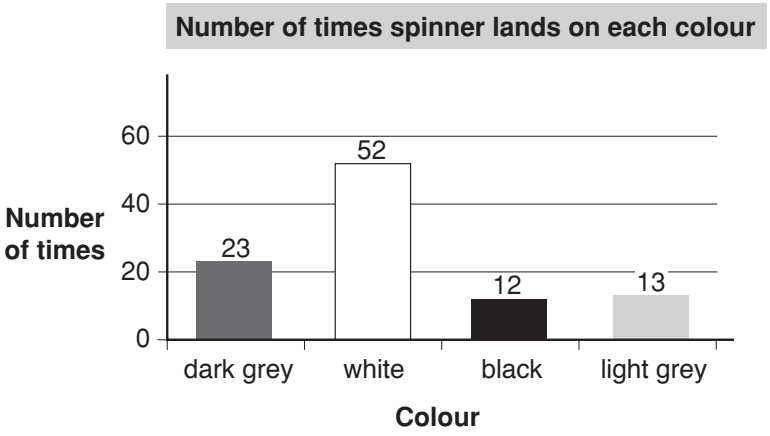


Which one of these is the largest angle?

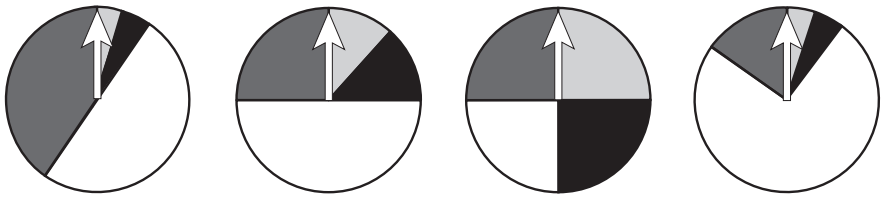
A ⬭ B ⬭ C ⬭ D ⬭

25

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

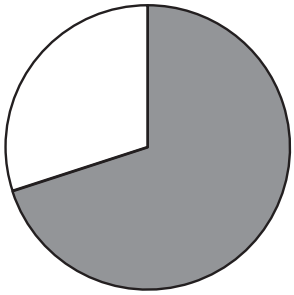


Which of these spinners is most likely to give the results shown in the graph?



⬭ ⬭ ⬭ ⬭

26 Lily shaded part of the area of a circle.

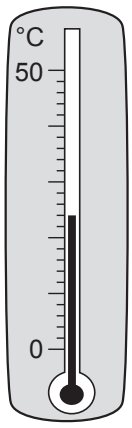


Which of these is closest to the fraction of the area of the circle that Lily shaded?

$\frac{1}{2}$	$\frac{2}{5}$	$\frac{3}{8}$	$\frac{7}{10}$
⬭	⬭	⬭	⬭

27 200 ÷ ☐ = 40

28 What is the temperature reading on this thermometer?



- ⬭ 12 °C
- ⬭ 14 °C
- ⬭ 22 °C
- ⬭ 24 °C

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.

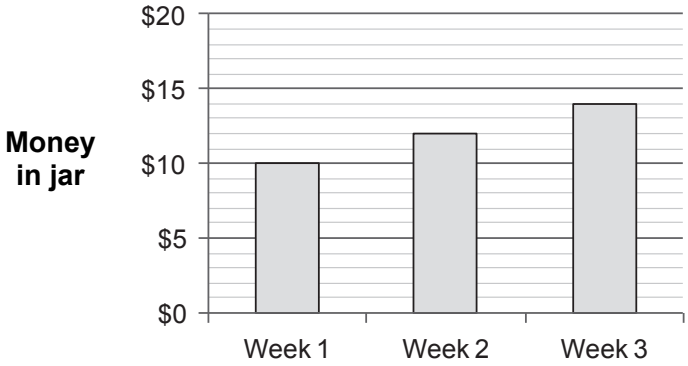
114

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
⬭	⬭	⬭	⬭	⬭

31 Harry used 400 grams of flour to make 24 cupcakes.

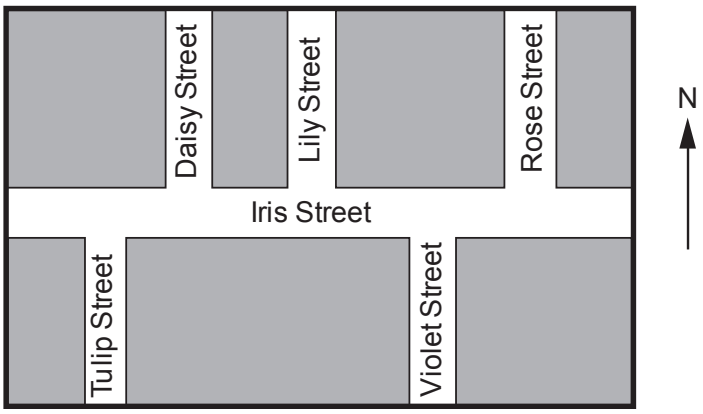
How many grams of flour will Harry need to make 36 cupcakes?

☐ 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

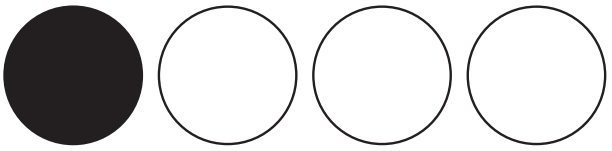


Levi walked south along Lily Street and then turned right on to Iris Street.

What was the first street he passed on his left?

Tulip Street	Daisy Street	Violet Street	Rose Street
⬭	⬭	⬭	⬭

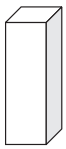
34 In a game, each black counter is worth double the points of each white counter.



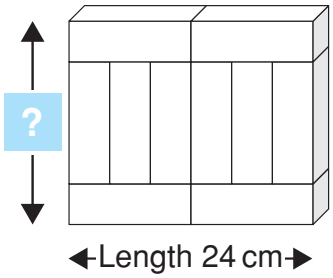
= 40 points

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 ☐ – 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:

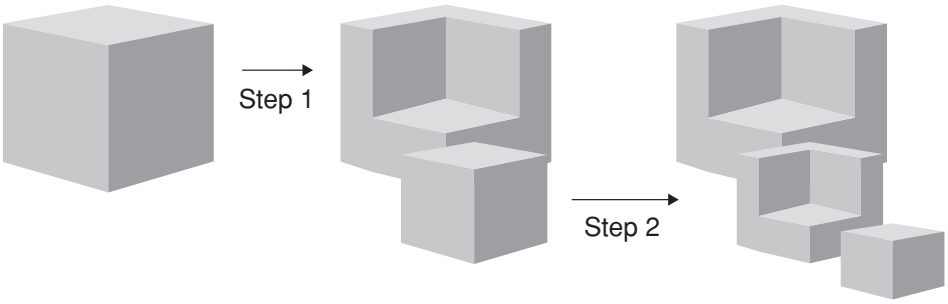
This year, Emma's time is 2 minutes and 20 seconds faster than last year.

What is Emma's time this year?

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.

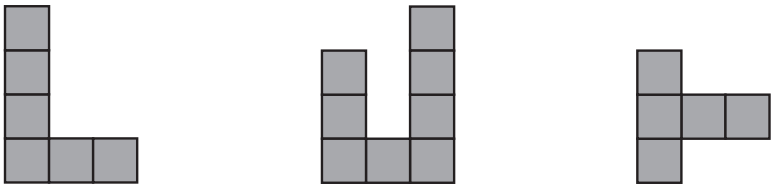
One wall was 3.14 metres high.

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

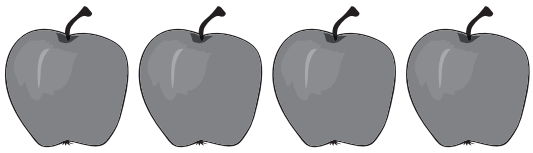
How many cubes are needed to make the object?

_____

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 = ☐