

NUMERACY

YEAR
3
2014

45 mins

Time available for students to
complete test: 45 minutes

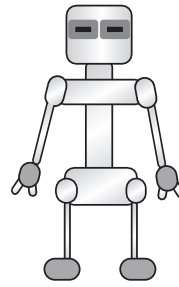
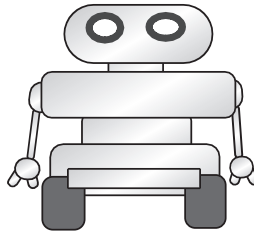
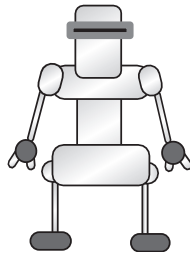
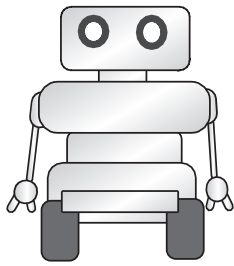
Use 2B or HB
pencil **only**



YEAR 3 NUMERACY

1

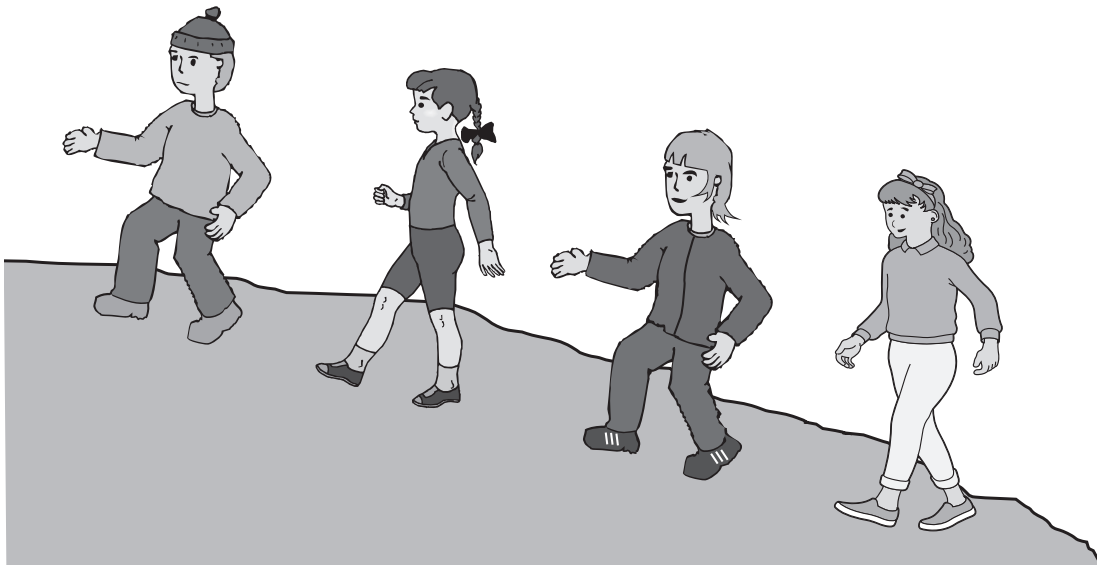
Which robot is the tallest?



2

Four children are walking up a hill.

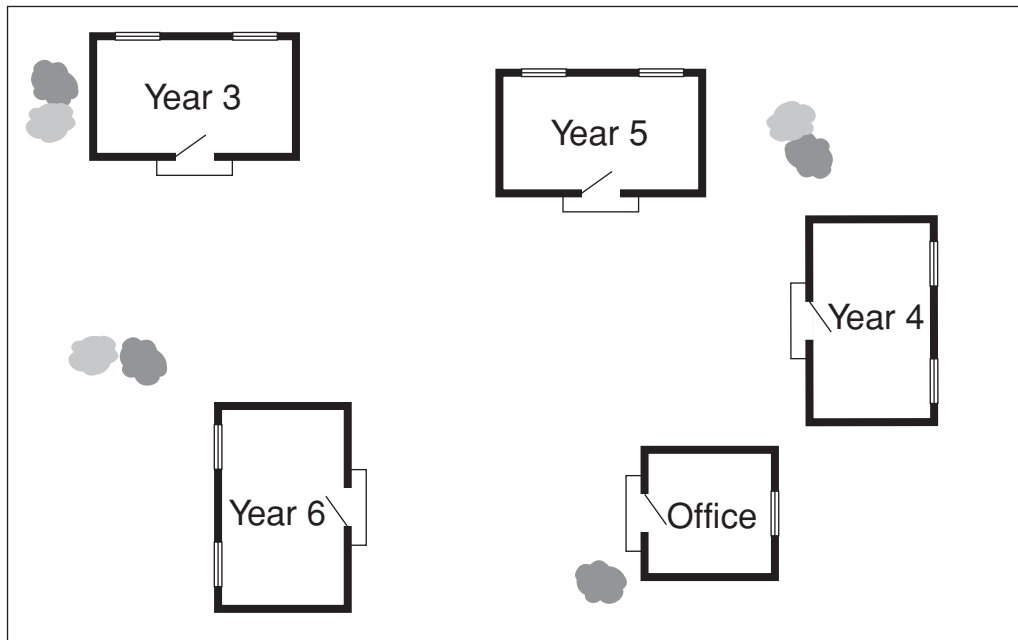
Who is second from the top?



YEAR 3 NUMERACY

3

This is a map of part of a school.



Which of these classrooms is furthest away from the office?

Year 3

Year 4

Year 5

Year 6

4

Tom is counting down by ones.

53, 52, 51, 50, ?

Which number comes next?

40

49

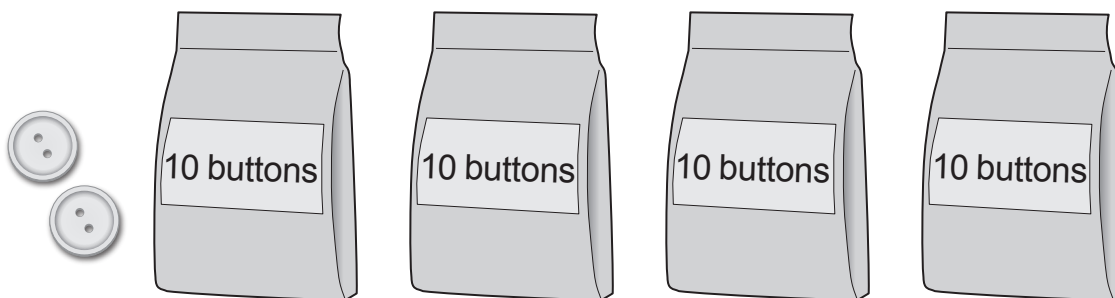
51

59

YEAR 3 NUMERACY

5

Mary has some packets of buttons and 2 extra buttons.



How many buttons does Mary have in total?

6

24

42









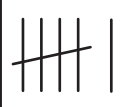






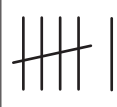
402

6

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 |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

7

Leah travelled 14 kilometres by bus and then 67 kilometres by train.

How many kilometres did she travel altogether?

53

71

73

81

YEAR 3 NUMERACY

8

Which of these bikes is cheapest?



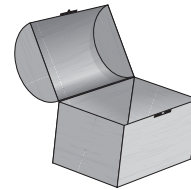
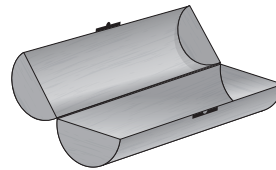
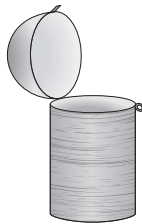
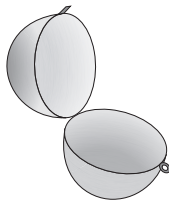
9

Which clock shows half past 10?



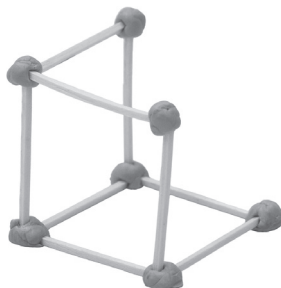
10

Which of these will look most like a cylinder when it is closed?



11

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



12 $11 + \boxed{} = 34$

13 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

14 Emma is using paperclips to measure this piece of card.
What is the total length of all four sides?

- 8 paperclips
- 13 paperclips
- 15 paperclips
- 16 paperclips
- 17 paperclips



15 Lily cut some whole apples into quarters.
She put all the quarters on this plate.

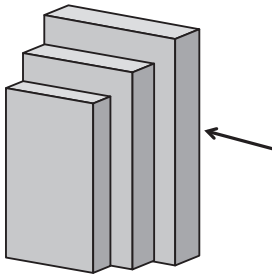


How many whole apples did Lily cut?

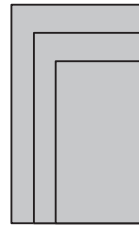
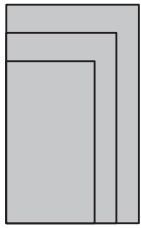
YEAR 3 NUMERACY

16

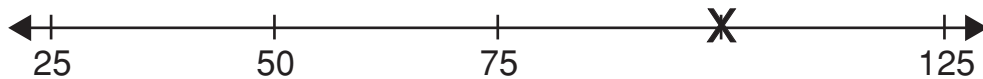
Claire is looking at some boxes in the direction shown by the arrow.



What does she see?



17



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

90

95

100

105

18

The table shows the heights of 5 children.

| | | | | | |
|-----------------------------|-------|-------|-----|-------|-------|
| Name | Grace | Ethan | Joe | Alice | David |
| Height (centimetres) | 137 | 143 | 127 | 131 | 133 |

Who is 6 centimetres shorter than the tallest child?

Grace

Ethan

Joe

Alice

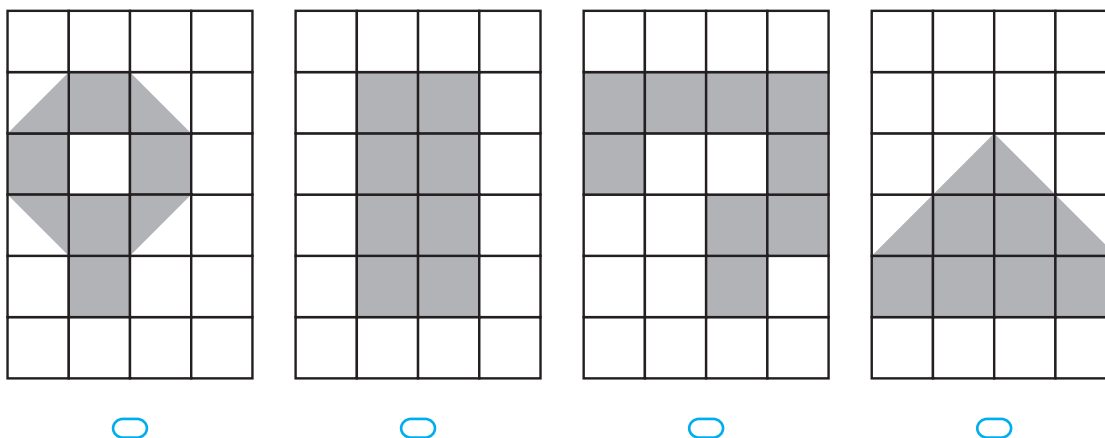
David

YEAR 3 NUMERACY

19

Kate shaded these 4 shapes on grid paper.

Which shape has the **least** shading?



20

| 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?

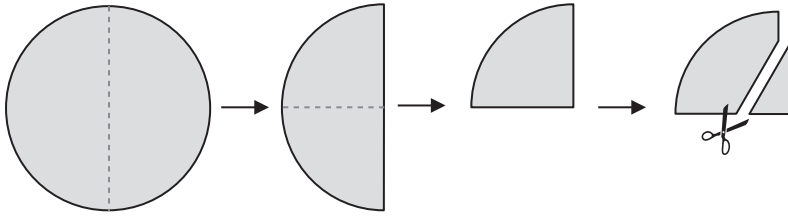
Sunday Monday Tuesday Wednesday Thursday

YEAR 3 NUMERACY

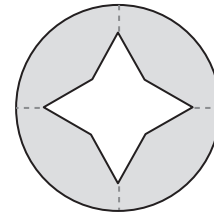
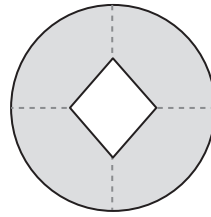
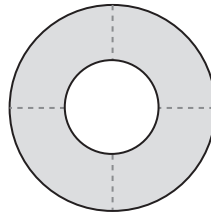
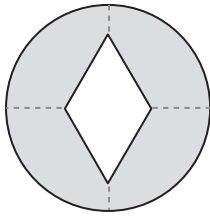
21

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?



22

This table shows how 800 students came to school.

| How students came to school | Number of students |
|-----------------------------|--------------------|
| Bus | 250 |
| Car | 310 |
| Cycle | 110 |
| Walk | 130 |

Which of these is true?

- Most students came by bus.
- More students walked than cycled.
- More students came by bus than by car.
- More than half the students came by car.

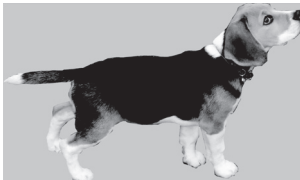
23

Tim has this picture on his computer.



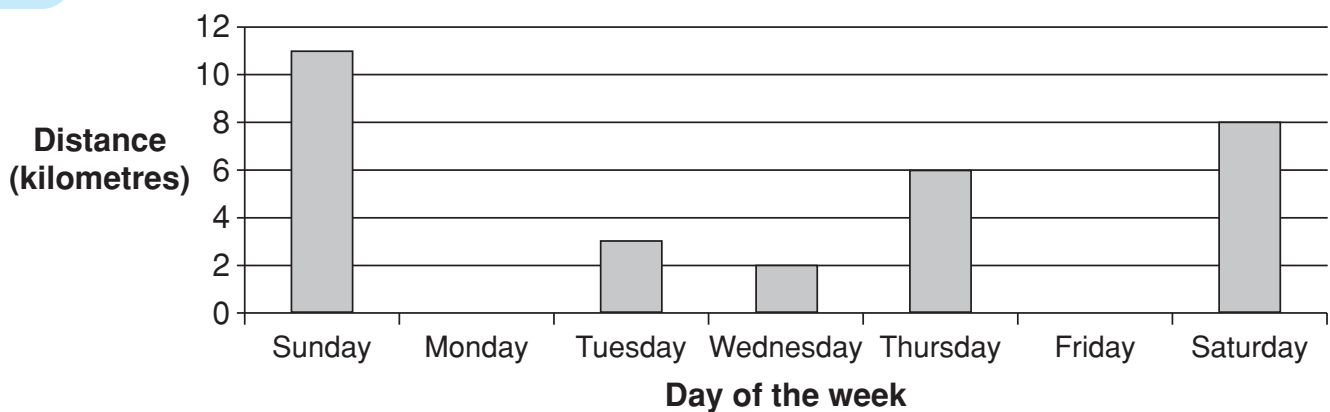
He makes the picture twice as high and half as wide.

How will the picture look after he does that?



24

This graph shows how far Jill ran each day in a week.



On how many days in the week did Jill run at least 5 kilometres?

2

3

4

5

25

Sam has \$1.20 in 5-cent coins.

How many 5-cent coins does Sam have?

26

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



Which two shapes could Jen have used?

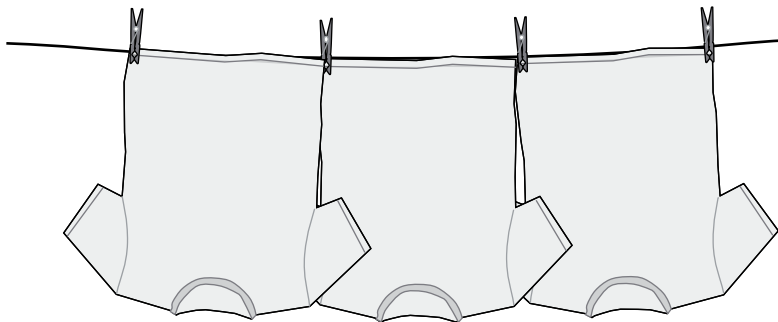


27

Jesse hangs 3 T-shirts on a line.

Any T-shirts next to each other share a peg.

He uses 4 pegs.



How many pegs would Jesse use to hang 6 T-shirts next to each other?

28

Jake cuts a 12-centimetre length of string into two pieces.

The longer piece is three times the length of the shorter piece.

What is the length of the longer piece?

centimetres

YEAR 3 NUMERACY

29

A shop sells cupcakes in trays and boxes.

Each tray holds 6 cupcakes.

Each box holds 8 cupcakes.



Molly buys a total of 50 cupcakes.

She buys 4 boxes and some trays.

How many trays does Molly buy?

30

This table shows the months when Ava planted different types of vegetable seeds.

| Type of seed | January | February | March | April | May | June | July | August | September | October | November | December |
|--------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|
| Cabbage | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Carrot | ✓ | ✓ | ✓ | ✓ | ✓ | | | | ✓ | ✓ | ✓ | ✓ |
| Lettuce | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Pea | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | |

During how many months did Ava plant carrot seeds but **not** pea seeds?

3

4

5

7

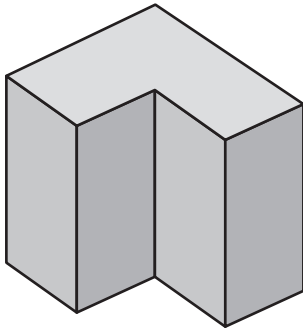
9

YEAR 3 NUMERACY

31

Oscar had a wooden cube.

He removed one-quarter of the cube to make this object.



How many edges does the object have?

12

14

15

18

32

Lucy buys an apple and a sandwich for lunch.



?



\$1.90

She pays with a \$5 note and gets back \$2.00 change.

How much does the apple cost?

\$

33

Oliver has these cards.



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

$$76 + 38 = 114$$

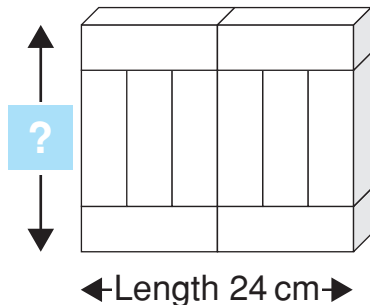
$$367 + 8 = 375$$

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

34

Meg has blocks with two square faces.

She makes this model.

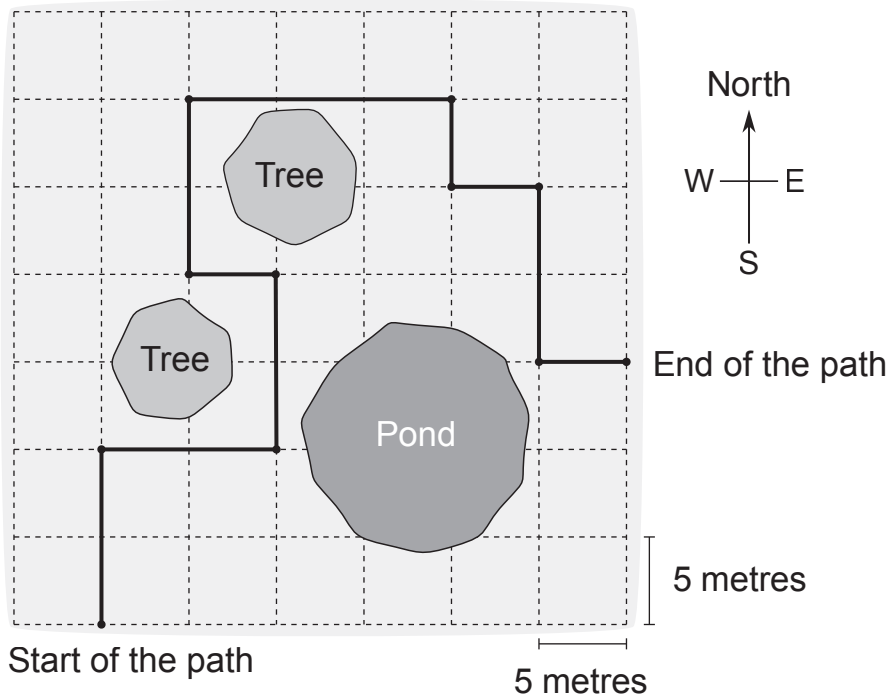


What is the height of the model in centimetres?

 centimetres

35

This is a map of Kayla's garden.



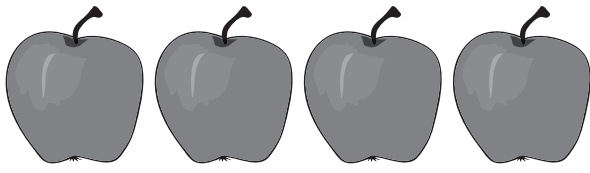
Kayla walked along the path from the start to the end.
 For how many metres did Kayla walk **east**?

metres

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.

$6 + 4 = \boxed{}$