NUMERACY

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

Use 2B or HB
pencil **only**

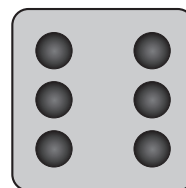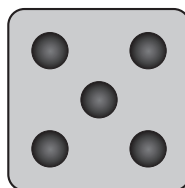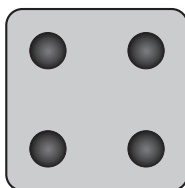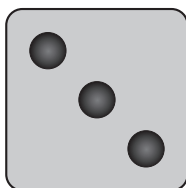**1** Bill rolled a number on a dice.

The number was odd and less than 5.

Which of these numbers could Bill have rolled?

○   ○   ○   ○

2 Three teams played a game.

The tally shows the number of points scored by each team.

Team A   卌 |||
Team B   卌 ||||
Team C   卌 ||

Team A had 8 points.

What was the total number of points scored by all three teams?

9   16   21   24

○   ○   ○   ○

3

P   Q   R   S
↓   ↓   ↓   ↓

0   5   10   15   20   25   30   35   40

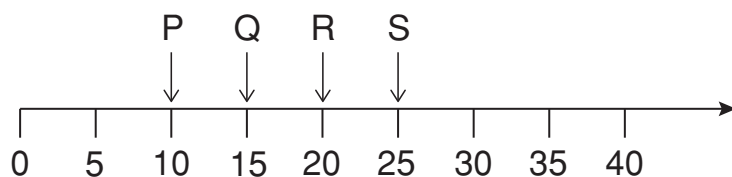Which arrow points to the number that is halfway between 5 and 25?

P   Q   R   S

○   ○   ○   ○

4

Here is a seating plan for an aeroplane.
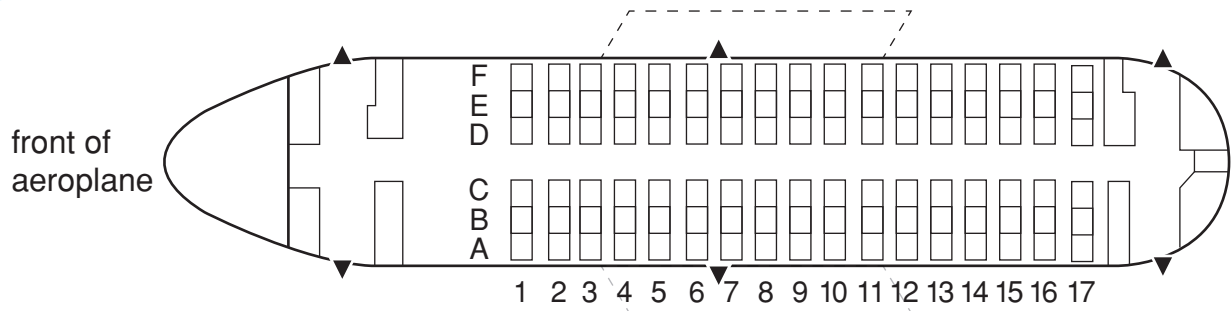
front of aeroplane

Which of these seats is closest to the front of the aeroplane?

8A	11C	2D	4F
○	○	○	○

5

What number is 10 less than 1003?

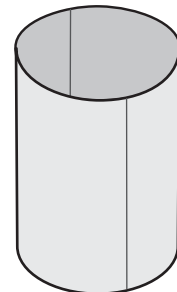| 903	993	1013	1093
○	○	○	○

6

This shape is cut out of cardboard and glued to make a container.
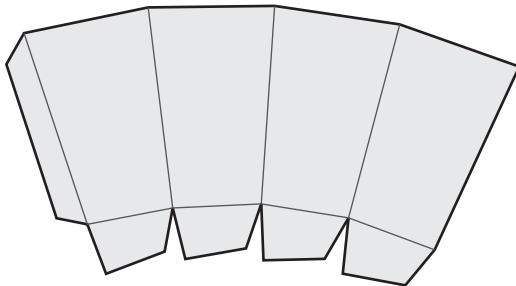
Which container would it make?

○	○	○	○
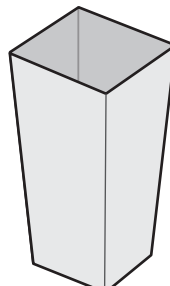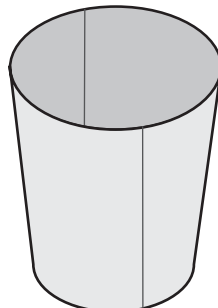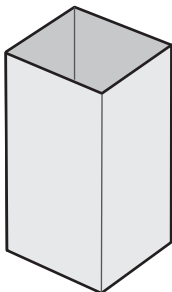
7 $3 \times \boxed{?} = 57$

What number does $\boxed{?}$ represent?

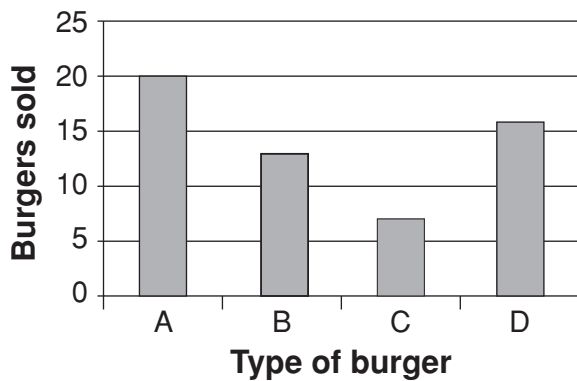| 19	29	54	171
○	○	○	○

8 Jill set up a stall and sold burgers.

The graph shows how many of each type of burger she sold.

Chicken burgers were the most popular.

Vegie burgers were less popular than fish burgers.

Beef burgers were more popular than fish burgers.

Which column on the graph represents fish burgers?

A	B	C	D
○	○	○	○

9 Jason's birthday is on the 29th of January.

His sister's birthday is five days later.

2014
January

Sun	Mon	Tue	Wed	Thu	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	

Which day of the week was his sister's birthday in 2014?
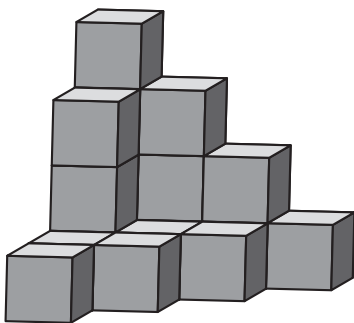
Sunday   Monday   Tuesday   Wednesday

○   ○   ○   ○

10 This is a view of a solid made by stacking 18 identical cubes.

How many cubes are completely hidden in this view?

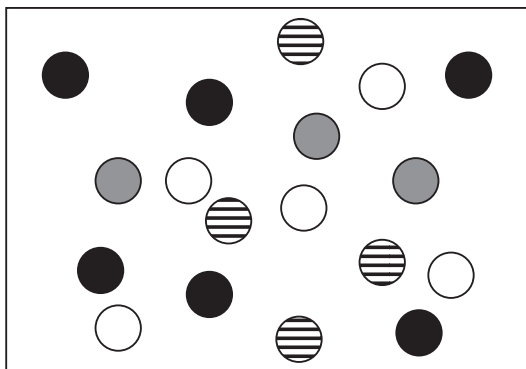13   12   7   6

○   ○   ○   ○

11

This box has some coloured balls in it.

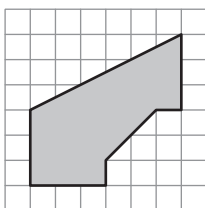Lee takes one ball out of the box without looking.

Which colour is she **least** likely to take?

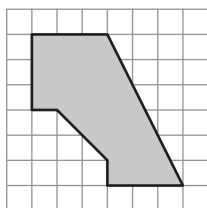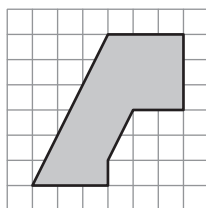**12**

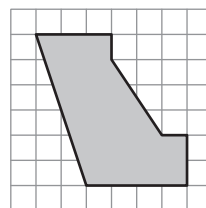Sally pasted some cut-outs onto grids.

Which two cut-outs are the same shape?

| 1 | 2 | 3 | 4 |

| 1 and 2 | 2 and 3 | 3 and 4 | 1 and 3 | 2 and 4 |

13 Jack, David, Sam and Tim are brothers.

The table shows the years when they were born.

Name	Jack	David	Sam	Tim
Year born	1989	1998	1988	1999

Who is the second oldest brother?

Jack	David	Sam	Tim
⬭	⬭	⬭	⬭

14 Roy made a pattern by adding 3 to a number to get the next number.

Which of these could be the first four numbers of Roy's pattern?

3, 13, 23, 33	4, 7, 11, 16	6, 10, 14, 18	8, 11, 14, 17
⬭	⬭	⬭	⬭

15 This table shows movie session times.

	Space Dinos	Halfling Tale	Internet Cat	Aircraft 2
Start time	8:00 am	8:45 am	9:20 am	10:30 am
Finish time	9:30 am	10:45 am	11:50 am	11:40 am

Which of these movies lasts two and a half hours?

Space Dinos	Halfling Tale	Internet Cat	Aircraft 2
⬭	⬭	⬭	⬭

16 Dan had 62 blocks.

He built some towers using these blocks.

Each tower was made up of 15 blocks, and there were 2 blocks left.
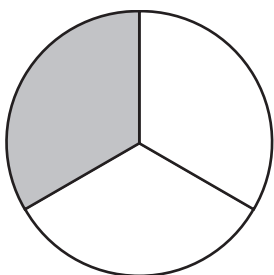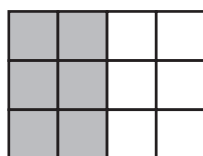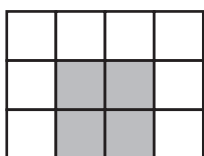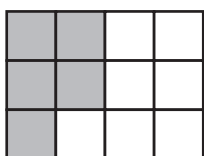
How many towers did Dan make?

4	13	17	31
⬭	⬭	⬭	⬭

17 A fraction of this circle has been shaded.

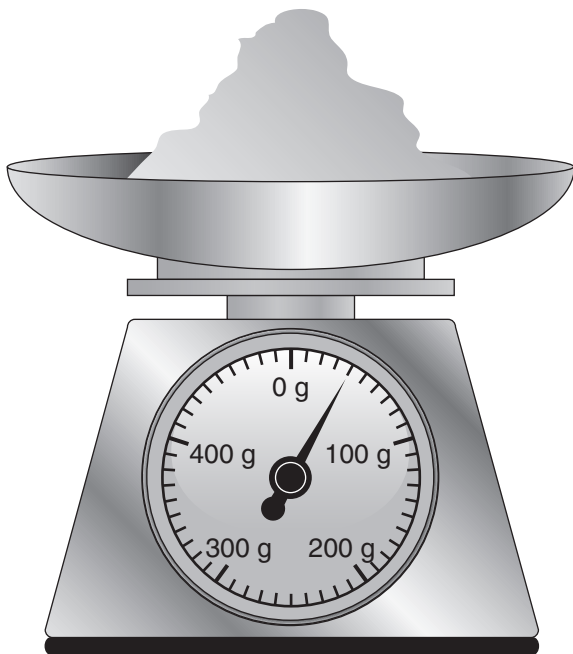Which rectangle has the same fraction shaded?

○   ○   ○   ○

18 Kevin used these scales to measure the mass of some flour.

How much flour is on the scales?

0.4 g   4 g   40 g   400 g

○   ○   ○   ○

19 Bella had $10. She bought 5 sketchbooks from a shop.

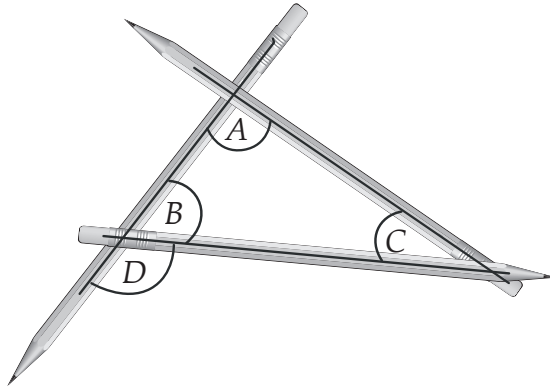Each sketchbook costs $1.10.

How much change should she get?

$4.50	$5	$5.50	$8.90
⬭	⬭	⬭	⬭

20 Which of these angles is closest in size to a right angle?

A	B	C	D
⬭	⬭	⬭	⬭

21 19 + ☐ + 8 = 45

22 Allen's house was built in 1936.

Approximately how many years old is Allen's house?

60	70	80	90
⬭	⬭	⬭	⬭

23 Rhys had 4 fish tanks. Each tank had 10 fish in it.

He then bought one more tank.

He shared all the fish equally between the 5 tanks.
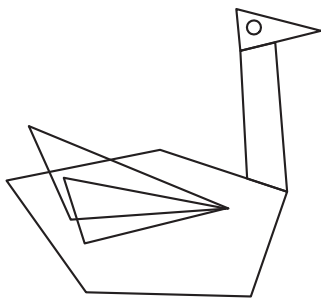
How many fish were then in each tank?

5	6	8	9
⬭	⬭	⬭	⬭

24

Which of these shapes is **not** shown in this picture?

circle   triangle   pentagon   rectangle

◯   ◯   ◯   ◯

25

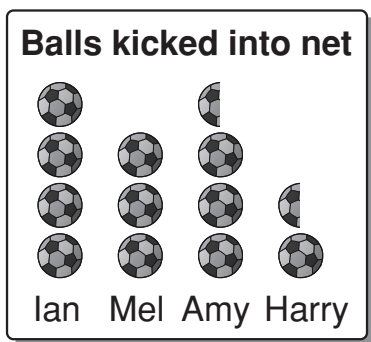Which of these pairs of numbers has a difference of 17?

17 and 71   29 and 36   48 and 65   77 and 87

◯   ◯   ◯   ◯

26

Four friends were trying to kick balls into a net.

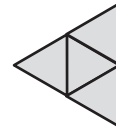This graph shows how many balls each of the friends kicked into the net.

Balls kicked into net

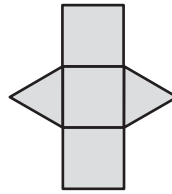Ian   Mel   Amy   Harry

Mel kicked 6 balls into the net.
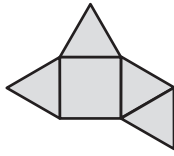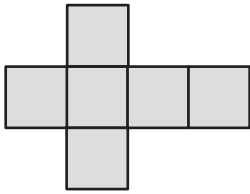
Amy kicked 7 balls into the net.

How many **more** balls did Ian kick into the net than Harry?

27 Which of these is the net of a 3D object with 6 edges?

○   ○   ○   ○

28

260   320   ?
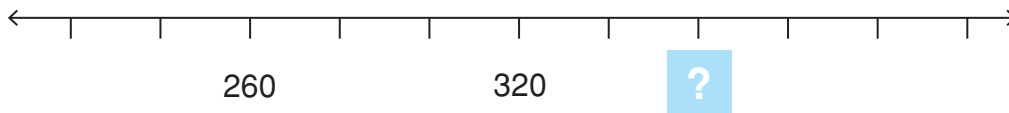
What number does the **?** represent?

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29 Mary is facing north-west. She makes a quarter turn to her left.
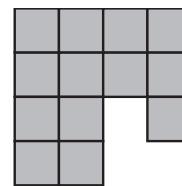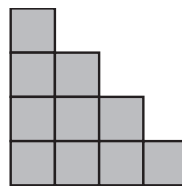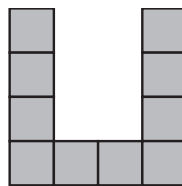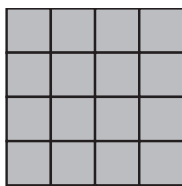
Which direction is she facing after the turn?

west   north   north-east   south-west

○   ○   ○   ○

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30 Which one of these shapes has the largest perimeter?

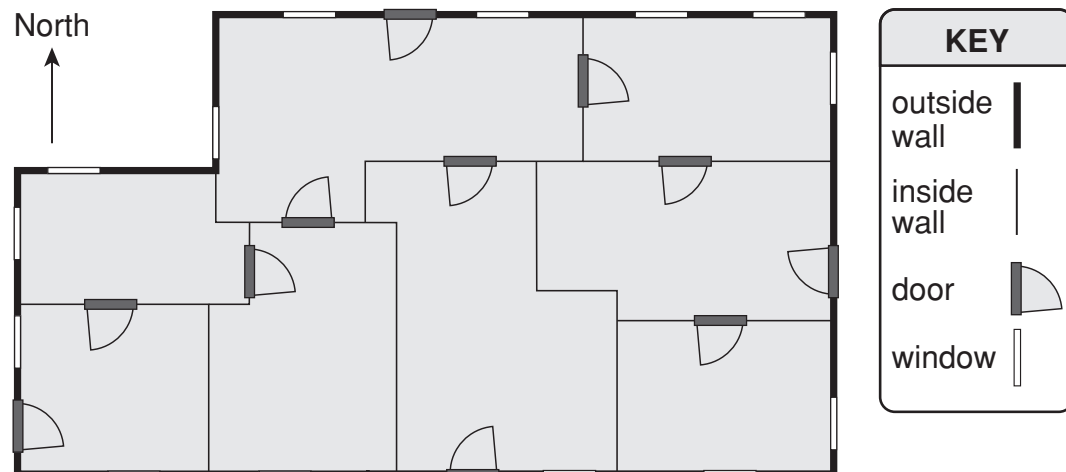○   ○   ○   ○

31 Joe's toy car is 5 cm long.

His dad's car is 4 m long.

How many times as long as Joe's toy car is his dad's car?

1	20	80	125	200
⬭	⬭	⬭	⬭	⬭

32 This is a floor plan of a building.

North

KEY	
outside wall		
inside wall	¦
door	◗
window	▯

Sanjeet enters the building by the door on the west wall.

He leaves the building by the door on the south wall.

What is the smallest number of rooms he has to walk through?

33 Mia made a playlist with two songs.

Song	Length (Time)	
	Minutes	Seconds
Song 1	3	14
Song 2	2	36

What is the total length of the playlist in **seconds**?

_____ seconds

34

Jake and Sara picked a total of 31 apples.

Sara picked 7 more apples than Jake.

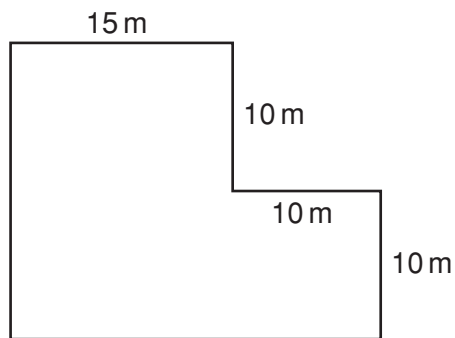How many apples did Sara pick?

35

Jess spent $12.30 buying paper plates for a party.

Each plate cost 30 cents.

How many plates did she buy?

36

This is a diagram of a schoolyard.

15 m

10 m

10 m

10 m

What is the area of the schoolyard in square metres?

450	400	300	90
⬯	⬯	⬯	⬯

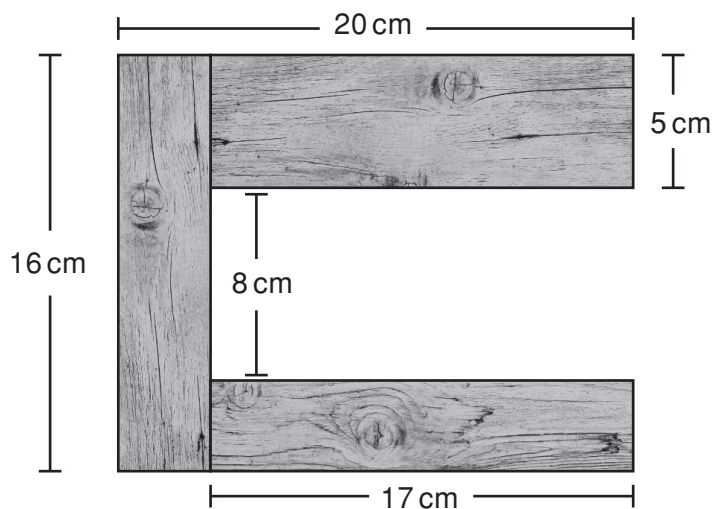**37** Carla made a letter 'C' out of 3 rectangular wooden pieces as shown.

What is the perimeter of this wooden letter in centimetres?

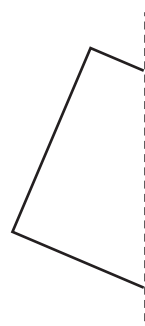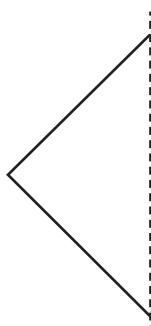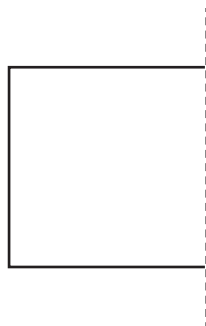| 66	72	86	103	106
◯	◯	◯	◯	◯

38 Caleb reflects one of these shapes across the dotted line.

The shape and its reflection together make a square.
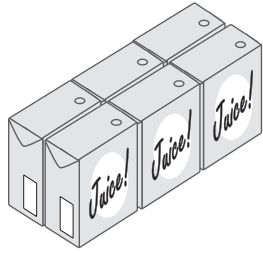
Which shape does Caleb reflect?
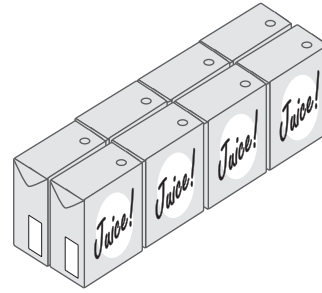

◯　　　　◯　　　　◯　　　　◯

39 A shop is selling juice boxes in different packs.
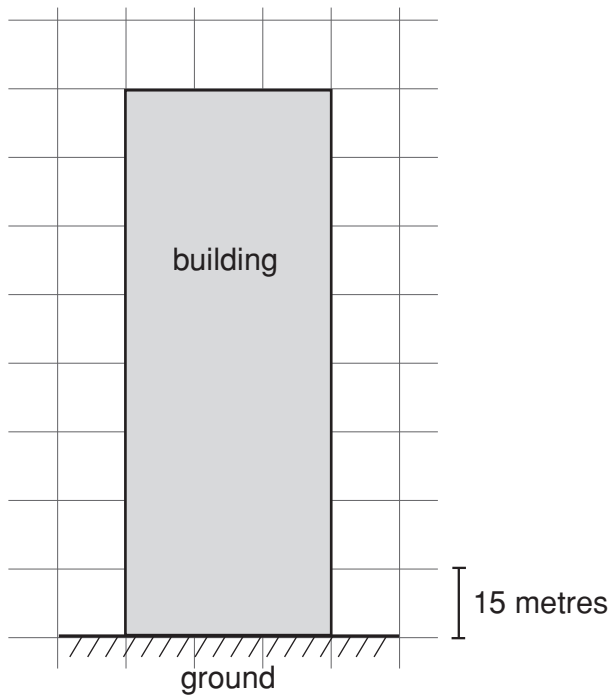

$1 $5 for a pack of 6 $6 for a pack of 8

What is the largest number of juice boxes that you can buy with $15?

40 Zoe was making a scale drawing of a 40-storey building on grid paper.

The height of each storey of the building was the same.

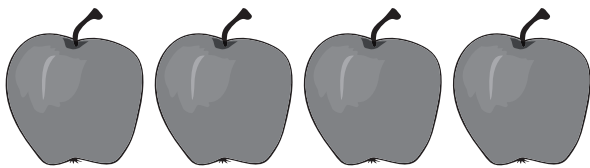What was the height of each storey of this building?

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 = [ ]

P3 Here is a number pattern.

2, 4, 6, 8, ?

What is the next number in the pattern?

| 9 | 10 | 11 | 12 |