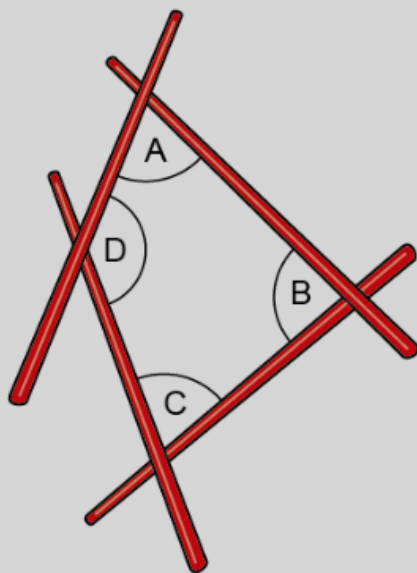Which of these angles is greater than 90 degrees and less than 180 degrees?
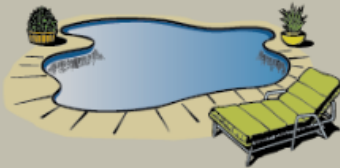

A

B

C

D

Flag

Next

Each picture shows an object containing a particular volume of liquid.

Draw lines to match each volume of liquid with its most appropriate unit of measurement.

litres

millilitres

kilolitres

Liam shaded the multiples of 4 on this number chart.

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

He then shaded the multiples of 6.

How many numbers were shaded twice?
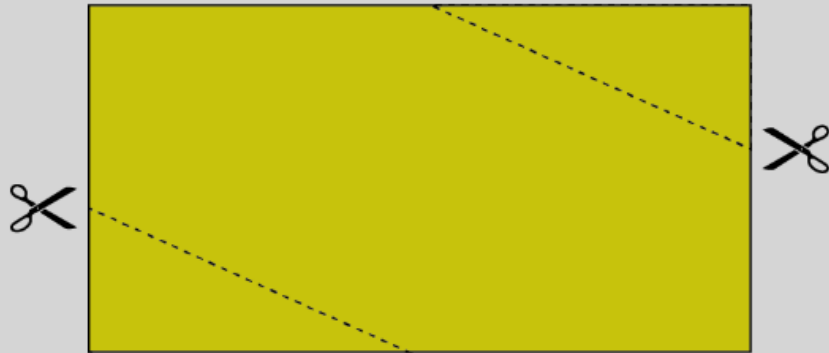
○ 2

○ 3

○ 4

○ 5

Back

Flag

Next

Jai had a rectangular piece of paper. He cut off two identical triangles.

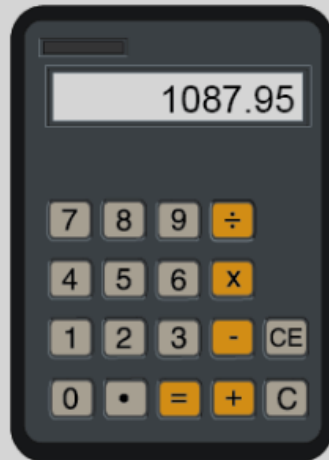What is the name of the remaining shape?
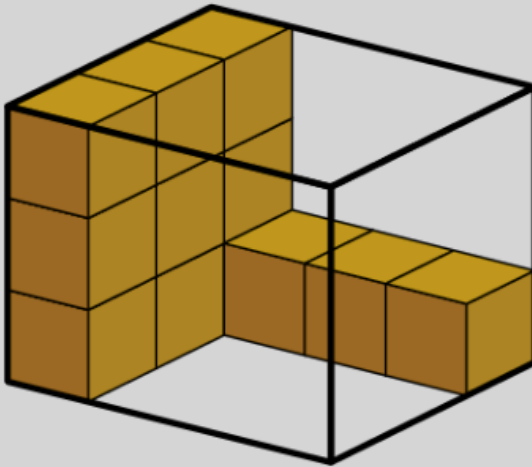
◯ octagon

◯ hexagon

◯ trapezium

◯ parallelogram

Bob used his calculator to work out the answer to a maths problem.

1087.95

7 8 9 ÷
4 5 6 X
1 2 3 - CE
0 • = + C

Which digit in the answer is in the tenths place?

Ben had a box full of identical wooden blocks. This is what the box looked like after Ben took out some blocks.

How many blocks did he take out of the box?

- ◯ 12
- ◯ 18
- ◯ 24
- ◯ 36

Order these decimals from smallest to largest.

| 0.37 | 0.09 | 0.5 | 0.12 |

smallest [ ] [ ] [ ] [ ] largest

Dan and Chris collected cans for recycling. They collected 40 cans altogether.

Dan collected 4 times as many cans as Chris did.

How many cans did Chris collect?
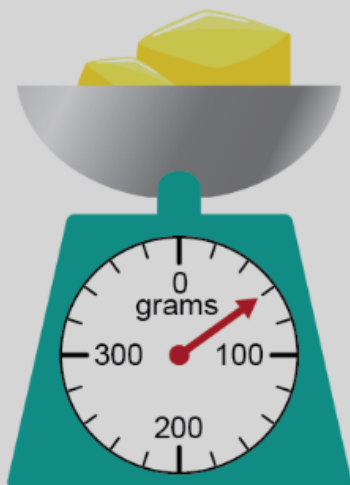
- ○ 8
- ○ 10
- ○ 18
- ○ 32

Betty is making a cake. She needs 140 grams of butter.

She uses her scales to weigh some butter.

How much more butter does she need?

○ 60 grams

○ 80 grams
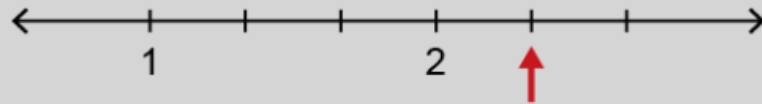
○ 90 grams

○ 110 grams

This number line has equal intervals marked.

What number is indicated by the arrow?
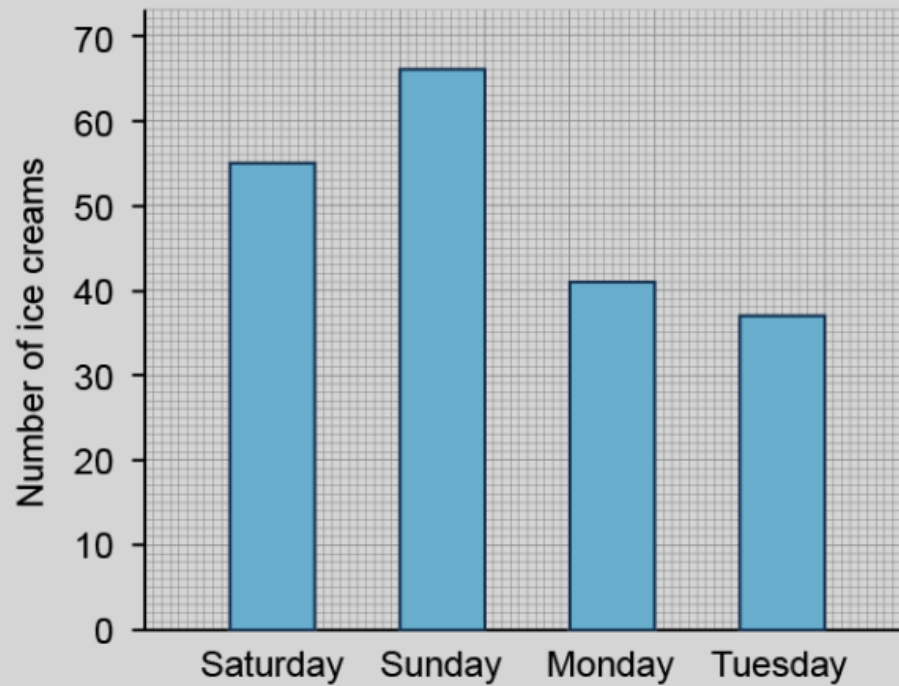
- ○ $2\frac{1}{4}$
- ○ $2\frac{1}{3}$
- ○ $2\frac{1}{2}$
- ○ 3

Jenny sells ice creams. The graph shows the number of ice creams she sold on four days.

How many more ice creams did Jenny sell on Sunday than Tuesday?

- ○ 39
- ○ 37
- ○ 29
- ○ 28

In Anish's code, the symbols are added together to give values. The table shows the value of Anish's sums using his symbols.

Anish's symbols	Value
🟩🟩	2
🟩▲▲	11
▲🔴	13
🟩▲🔴🔴	?

What value must ? be?

- ○ 14
- ○ 22
- ○ 24
- ○ 26

Back   Flag   Next

Mai stood on the grass facing the pond.

She made a quarter turn to her left, then took a step back.

Where was Mai standing after this?

pond
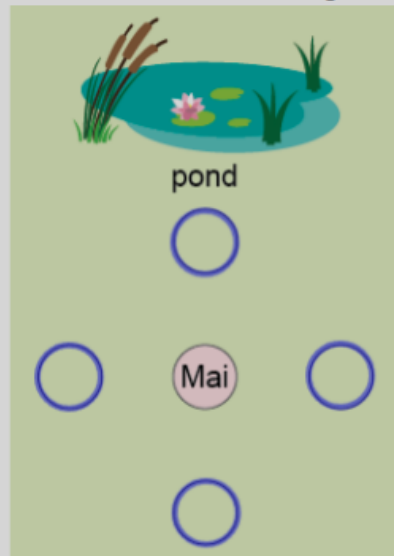
Nima is making a large square using smaller squares.
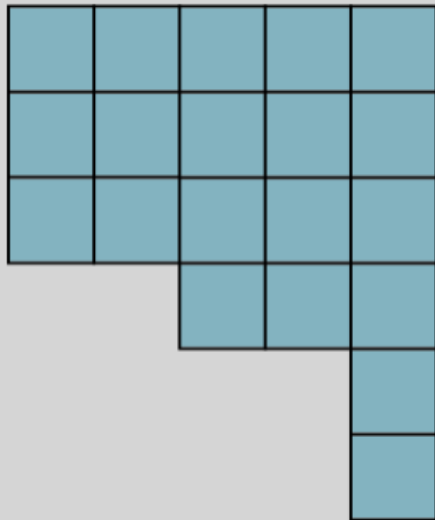
What is the least number of small squares she needs to add to make a large square?

- ○ 10
- ○ 14
- ○ 16
- ○ 20

Back   Flag   Next

Judy had these toys in a plastic tub.
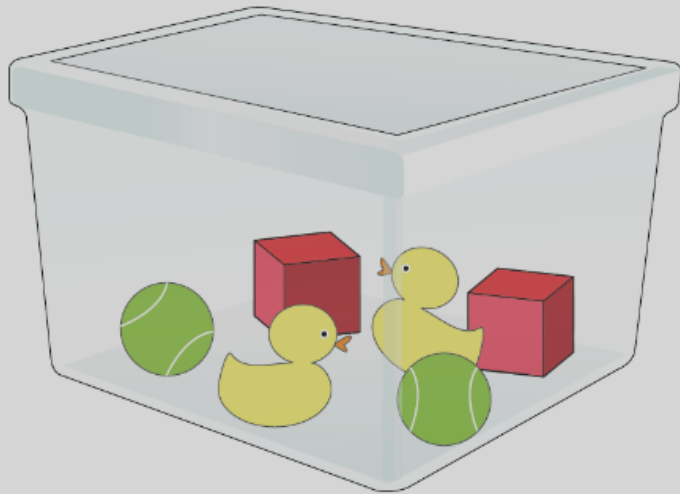
She took 4 toys out of the tub without looking.

What is the chance that Judy took out 4 different types of toys?

○ impossible

○ unlikely

○ likely

○ certain

Henry has six books.

Maths 2 kg

English 1 kg

Science 3.5 kg

History 2.5 kg

French 1 kg

Art 2.5 kg
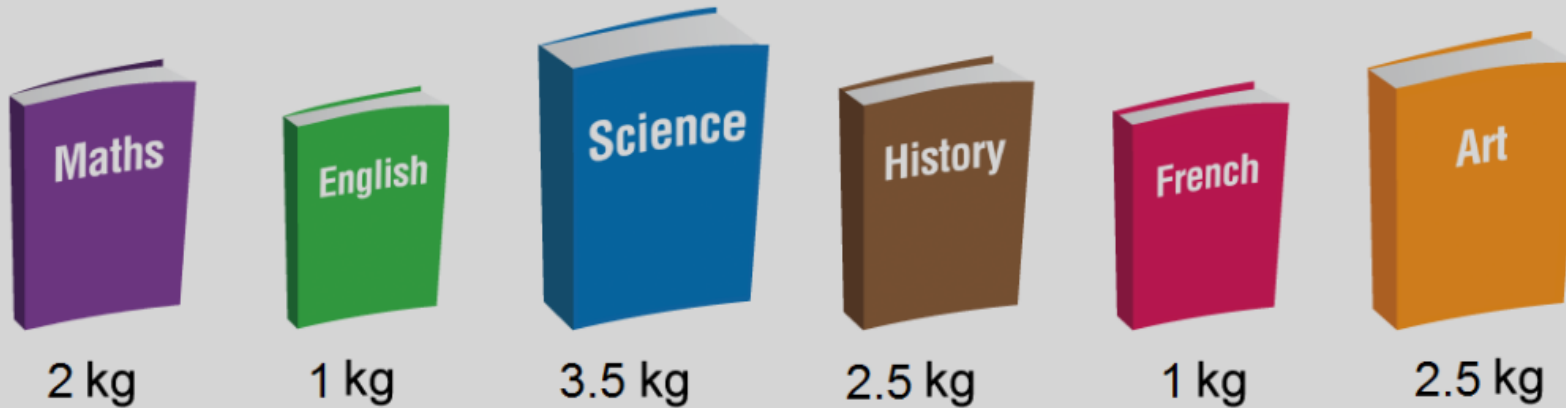
He selects four of the books to put in his bag.

The total mass of the books is 7 kilograms (kg).

Place these four books in Henry's bag.

| Maths | English | Science | History | French | Art |

Henry's bag

This shape is reflected across the dotted line.
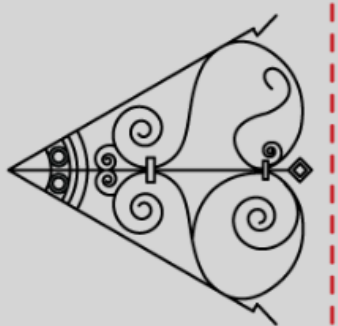
Which of these is the reflected shape?

Back

Flag

Next
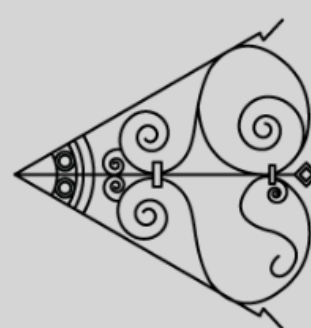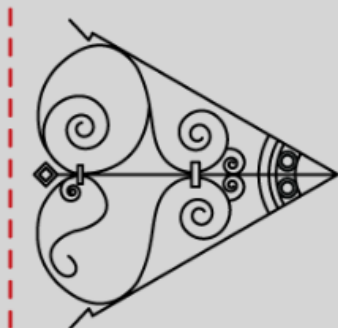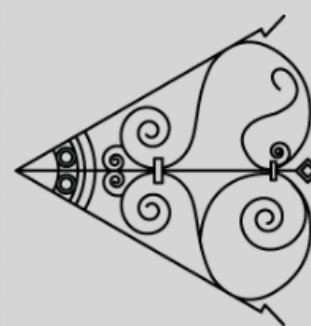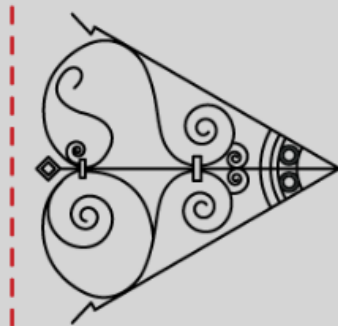
The entrance to Emma's house is 200 metres from the entrance to Jane's house as shown.

Emma's house   Jane's house
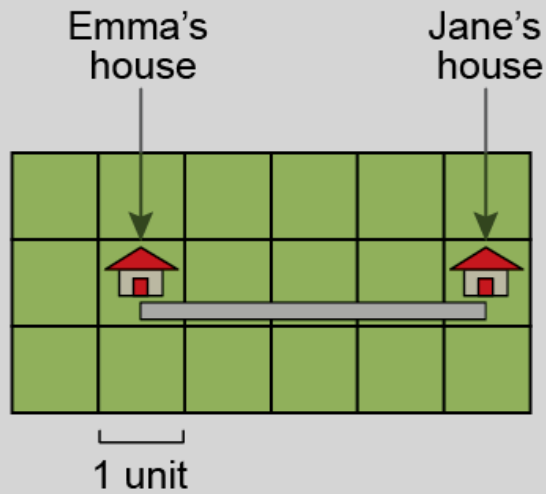
1 unit

What does 1 unit on the map represent?

○ 20 metres

○ 25 metres

○ 40 metres

○ 50 metres

Four puppies and their ages are shown.

Floss
20 months

Spot
$1\frac{1}{2}$ years

Rocket
55 weeks

Buster
345 days

Which puppy is the oldest?

○ Floss   ○ Spot   ○ Rocket   ○ Buster

In a test, there are 50 questions. If a question is answered correctly, then 2 marks are awarded, but if it is answered incorrectly, then 1 mark is subtracted.

Victor answered every question in the test and scored 40 marks.

How many questions did Victor answer correctly?

○ 20   ○ 25   ○ 30   ○ 35

All students in Year 4 were asked to choose soccer or basketball for school sport.

The table shows some of these results.

	Soccer	Basketball	Total
Boys		27	
Girls	12		23
Total	25		

How many students were in Year 4?

○ 38   ○ 48   ○ 63   ○ 87

This diagram shows part of a number line.

800
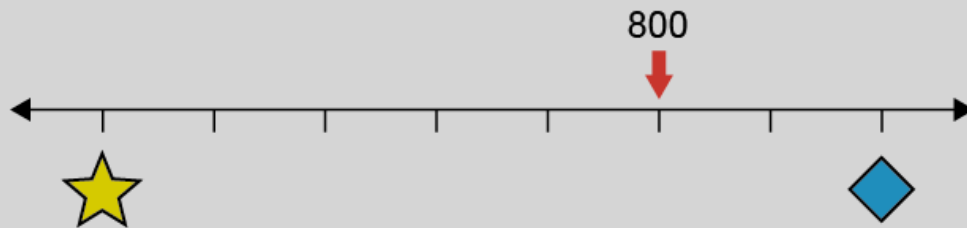
Which values of ⭐ and 🔷 **cannot** be true?

⭐	🔷
150	1100

⭐	🔷
300	1000

⭐	🔷
550	900

⭐	🔷
675	850

Sven had to deliver 200 leaflets. He looked at the clock as he left home.

It takes Sven 15 minutes to deliver 20 leaflets.

Which clock shows the time Sven should finish his delivery?

○

○

○

○

Back   Flag   Next

Liz had 125 small white cubes.

She stuck them all together to make a bigger cube and painted the outside red.
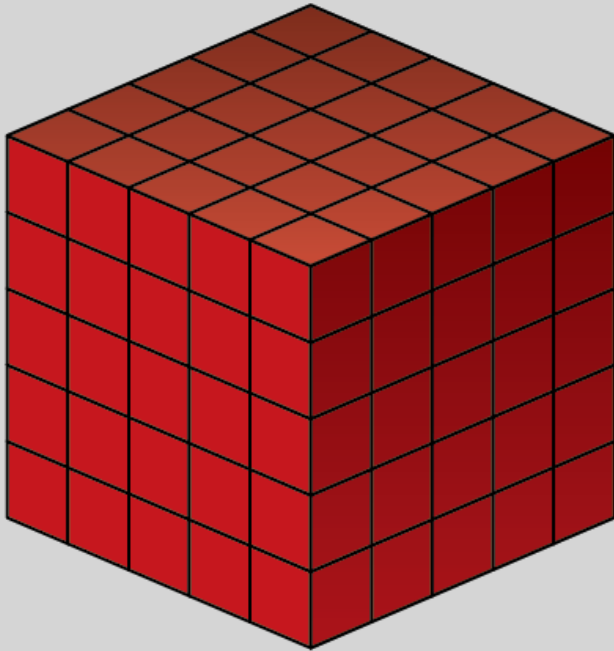
How many small cubes did not have any paint on them?

- ○ 64
- ○ 50
- ○ 45
- ○ 27

Mary is writing a number pattern.

11, 15, 19, 23, 27, ...

If she continues this pattern, which of these numbers will she write?

- ○ 76
- ○ 77
- ○ 78
- ○ 79

Sarah is playing a game. She must use the map and the instructions to find the treasure.

Start at the shipwreck on G11.

Travel 1 kilometre south.

Turn west and travel 750 metres.

Next, turn south and travel 500 metres.

Finally, turn east and travel 250 metres.

The treasure is buried there.

Where is the treasure buried?

○ I5

○ H4

○ F5

○ E5

Back

Flag

Next

Farmer Jones had two water tanks, tank A and tank B, that he needed to fill. He turned on the taps at 7 am. Both tanks finished filling at the same time.

The line graph shows the volume of water in each tank during the day.
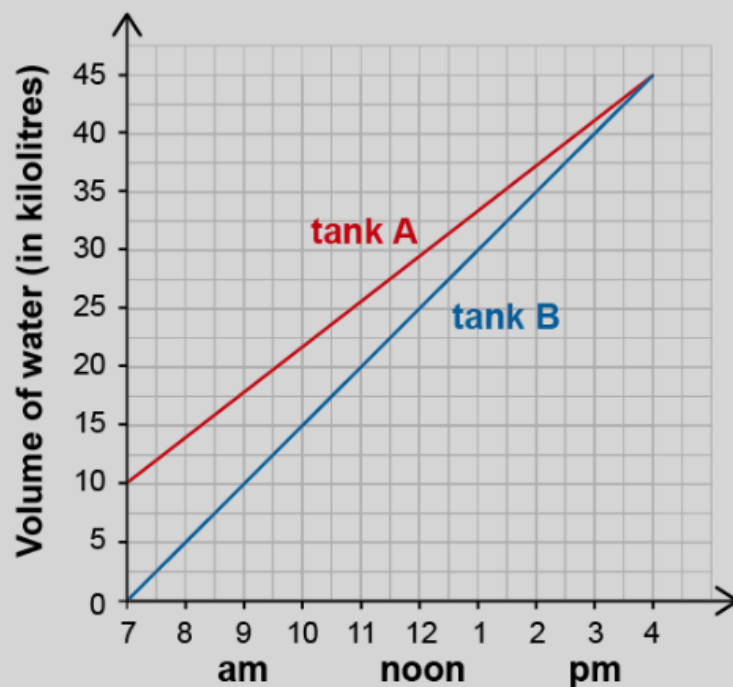
Select **all** of the statements that are correct.

- [ ] Water was poured into each tank for 9 hours.

- [ ] Both tanks were empty at 7 am.

- [ ] At 11:30 am, tank A had 10 kilolitres more water than tank B.

- [ ] At 1 pm, tank B was two-thirds full.

- [ ] The total capacity of both tanks combined is 90 kilolitres.

Back   Flag   Next

Arun is at a theme park waiting in a queue for the Wild Jet ride. Every 3 minutes, a boat with 5 people leaves.

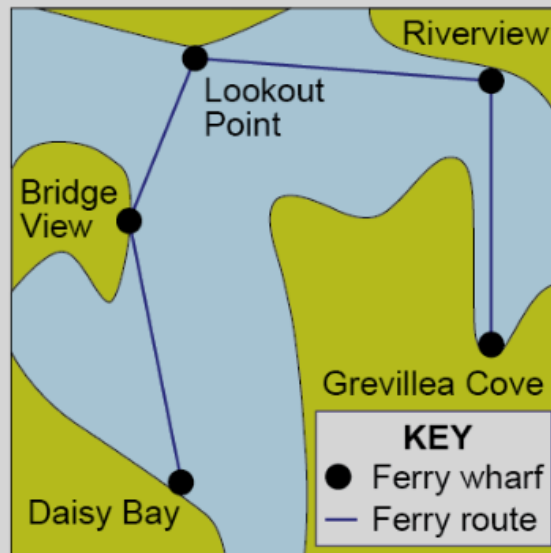A boat leaves and Arun counts 26 people ahead of him in the queue.

How many minutes will Arun have to wait until his boat leaves?

- ○ 15
- ○ 18
- ○ 21
- ○ 27

Sally boards a ferry at Daisy Bay at 11:12 am.

The ferry departs 10 minutes later and stops for 8 minutes at each of the wharves along the route before arriving at Grevillea Cove at 1:05 pm.

How long was Sally's ferry ride **not** counting the time spent at wharves?

- 79 minutes
- 93 minutes
- 103 minutes
- 119 minutes

Back

Flag

Next

Ann has some triangles that are identical to the triangle shown.

What is the smallest number of these triangles that Ann can fit together to make a larger triangle?

- ○ 2
- ○ 3
- ○ 4
- ○ 9

Mr Smith has a repair shop. He had some bicycles and tricycles and replaced all of their wheels. He used 27 wheels altogether.

bicycle

tricycle

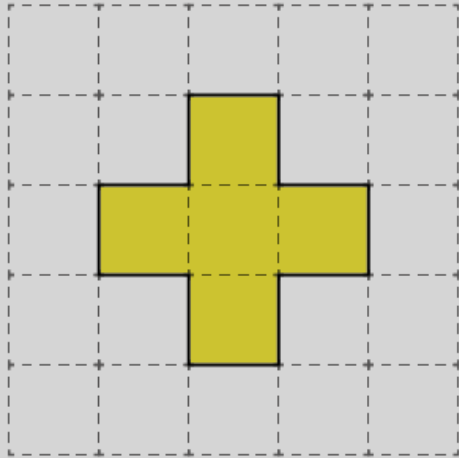If he repaired more tricycles than bicycles, how many tricycles did he repair?

- ⚪ 5
- ⚪ 6
- ⚪ 7
- ⚪ 9

Priya drew this shape on square grid paper.

If the area of the shape is 20 square centimetres, what is the perimeter of the shape?
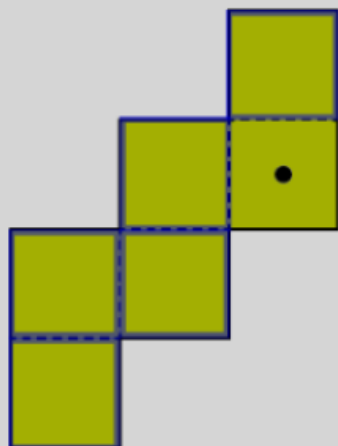
☐ centimetres

On a dice, the number of dots on the opposite sides always add up to 7.

Kelly is making a dice using this net and places a dot on one of the sides.

Click on the side where Kelly must place 6 dots.
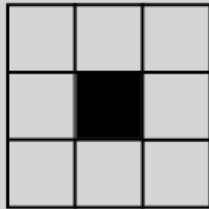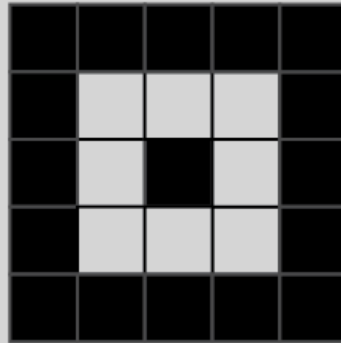
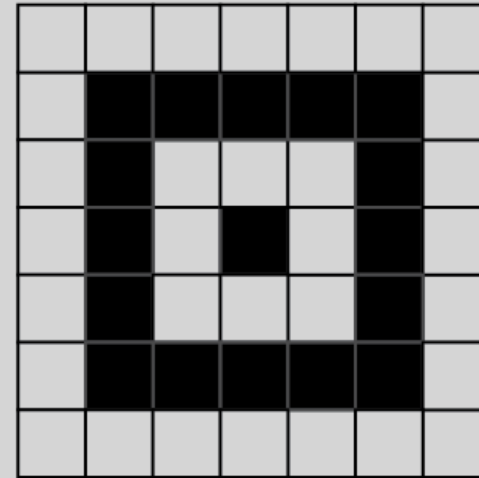Naomi is making a pattern using black and white squares.

shape 1   shape 2   shape 3   shape 4

How many more black squares than white squares are in shape 7?

[answer box]

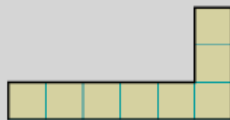Farmer Ted has less than 90 sheep. He wants to put the same number of sheep in each paddock.

If he puts the sheep into 10 paddocks or 4 paddocks, there are 3 sheep left over.

If he puts the sheep into 7 paddocks, they are equally distributed.

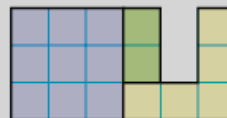How many sheep does Farmer Ted have?
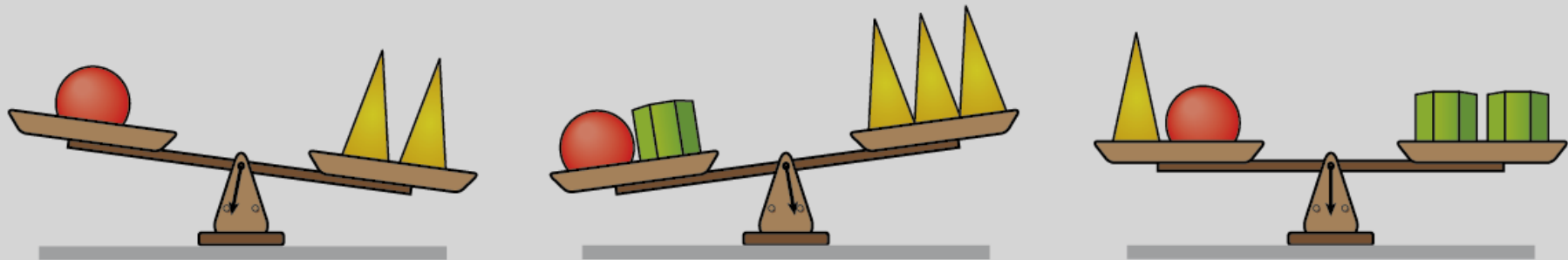
Kim had these three shapes.

She overlapped them to make a shape with the smallest possible area.

Which shape did Kim make?

Jane used a set of balance scales to compare the masses of some solids. Solids with the same shape had the same mass. Her results are shown below.

Order the solids from lightest to heaviest.

lightest ▢ ▢ ▢ heaviest

At Lisbon Post Office there are 5 rows of post boxes and 40 post boxes in each row. Some of the post boxes are shown in the diagram.

The boxes in each row are numbered consecutively with a 3-digit number. The first digit on each box indicates which row the box is in. Those beginning with the digit 1 are in the top row, those beginning with the digit 2 are in the second row and so on.

LISBON POST OFFICE

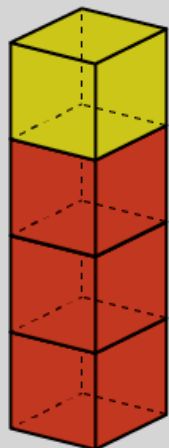| 100 | 101 | 102 | 103 | 104 | 105 | 106 |
| 200 | 201 | 202 | 203 | 204 | 205 | 206 |
| 300 | 301 | 302 | 303 | 304 | 305 | 306 |

How many post boxes have a 3-digit number where each digit is odd?

Lai has 3 yellow blocks and 3 red blocks. Each block is the same size.

She uses 4 blocks to make a stack.

How many different stacks of 4 blocks can she make if at least two of the blocks are yellow?
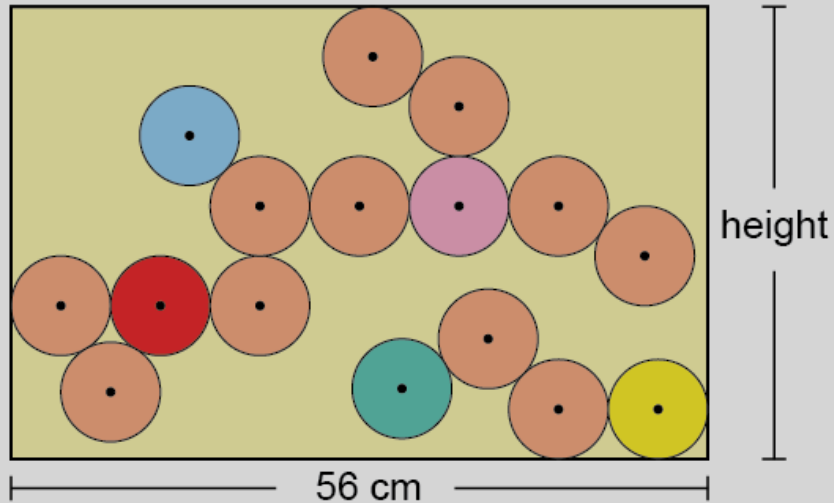
- ○ 10
- ○ 11
- ○ 12
- ○ 14

John has made a drawing of some circles inside a rectangle. The centre of each circle is marked with a dot.

The length of the drawing is 56 centimetres (cm).

What is the height of the drawing, in centimetres?

cm