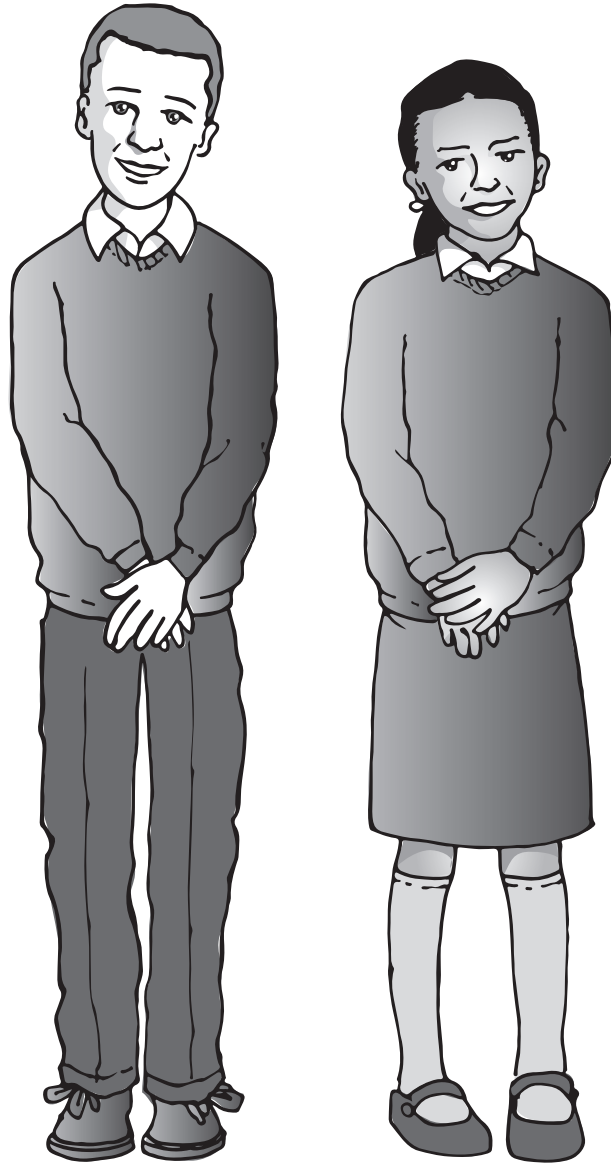


Reasoning



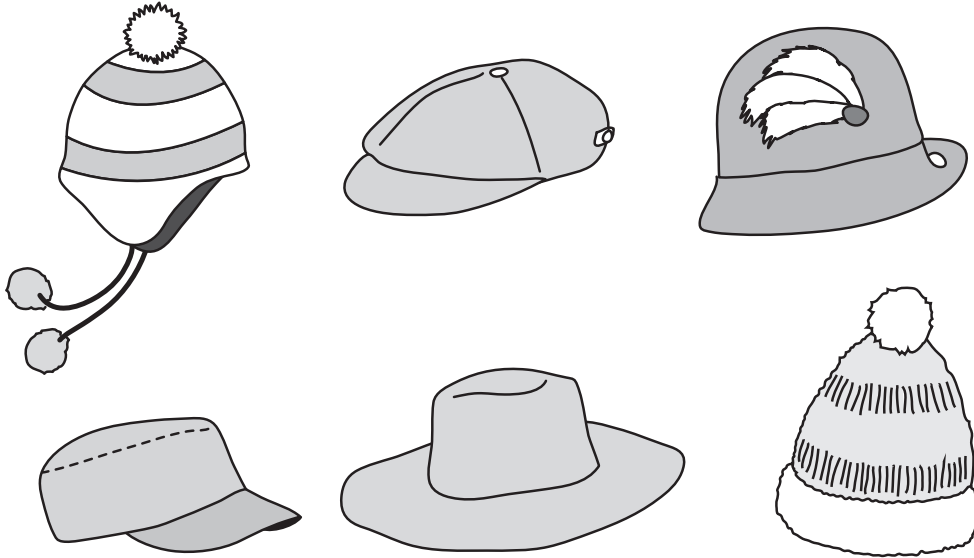
Tom

Simi

Anna Jack Ahmed

Practice question

Look at the hats.



How many hats are there?

6 hats

Aural question

1 What number is one more than twelve?

13



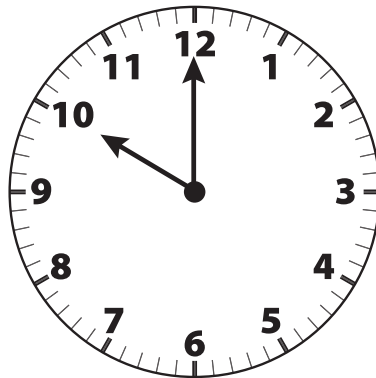
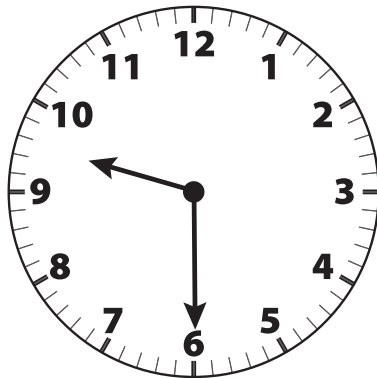
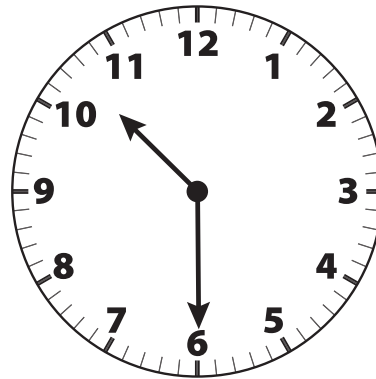
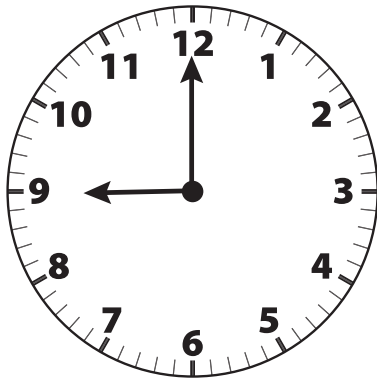
Aural question

2 Write the number twenty-five in numerals.

25



3 Look at the clocks.



Tick (✓) the clock showing the time half past ten.



Aural question

4 Tom has an apple.



He cuts the apple into halves.

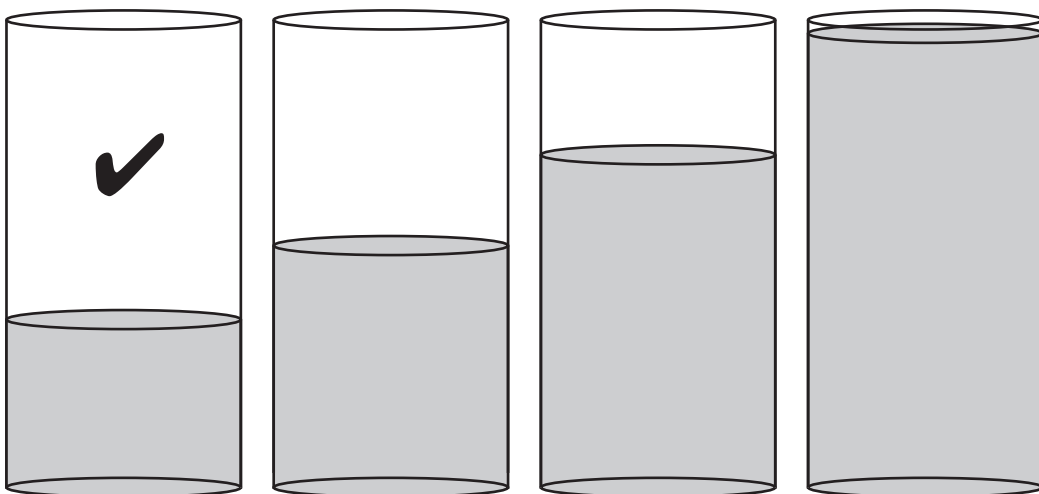
How many pieces of apple does he have now?

2



Aural question

5 Look at the glasses of orange squash.



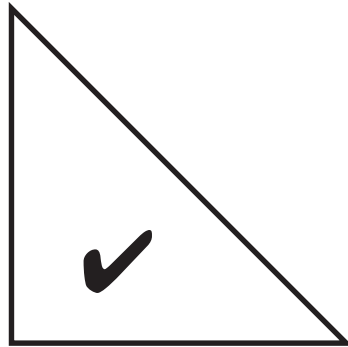
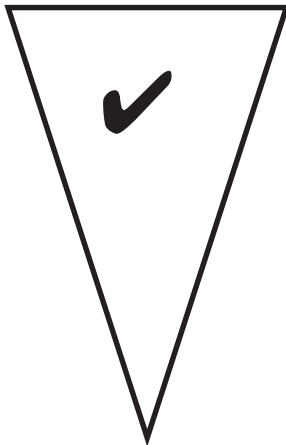
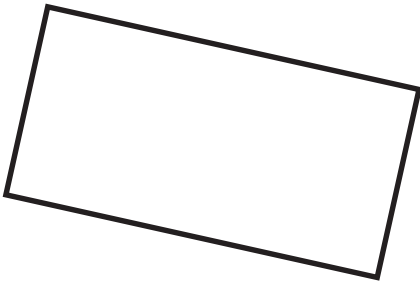
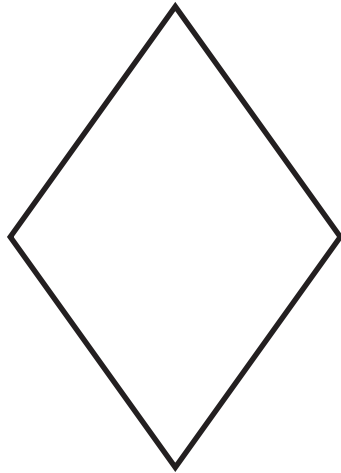
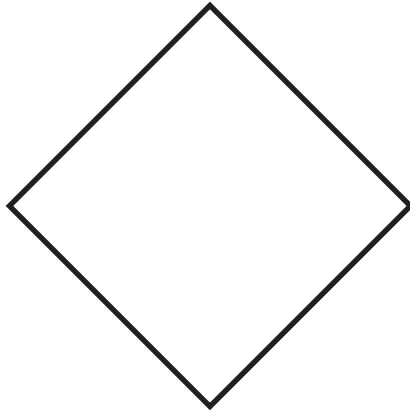
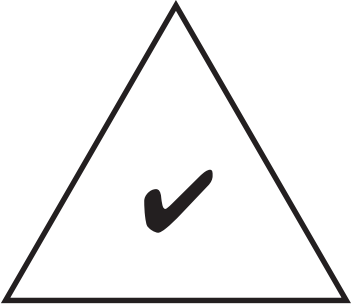
Tick (✓) the glass that is less than half full.



6

Look at the shapes.

Tick (✓) **all** of the triangles.



7

Anna is counting.

She says, '12, 13, 14, 15'.

What number will she say next?

16

8

Fill in the **two** empty boxes.

1 more than 9 is 10

1 more than 8 is

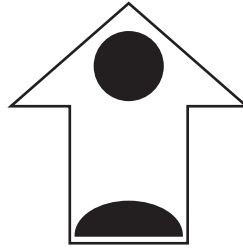
9

1 less than 7 is

6

9

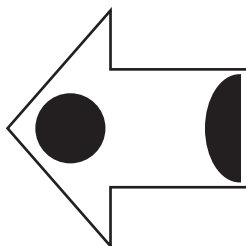
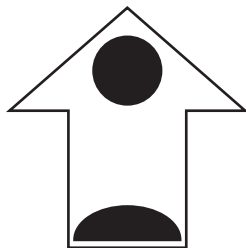
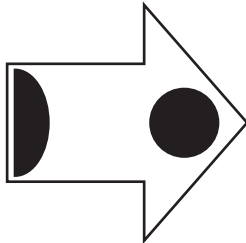
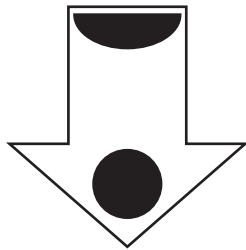
Look at this shape.



The shape makes half a turn.

What will the shape look like after it has been turned?

Tick (✓) the correct box.



10

Here is a number in numerals.

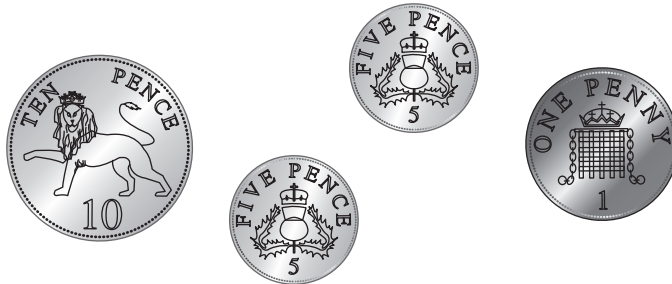
14

Write the same number in words.

Fourteen

11

Simi has these coins in her purse.



How much money has she got altogether?

21 p

12

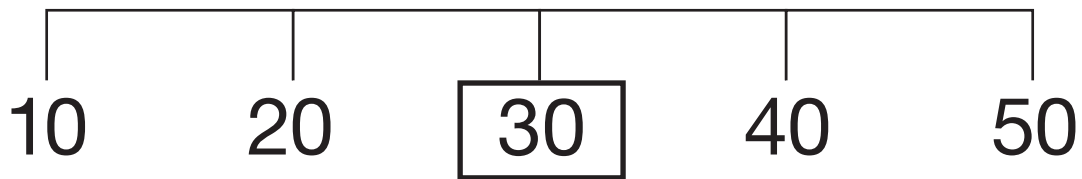
Here are some crosses (x) on a grid.

✕	✕	✕	✕	✕			
✕	✕	✕		✕		✕	✕
✕	✕	✕				✕	✕

Draw more crosses (x) so there are 16 altogether.

13

Here is part of a number line.

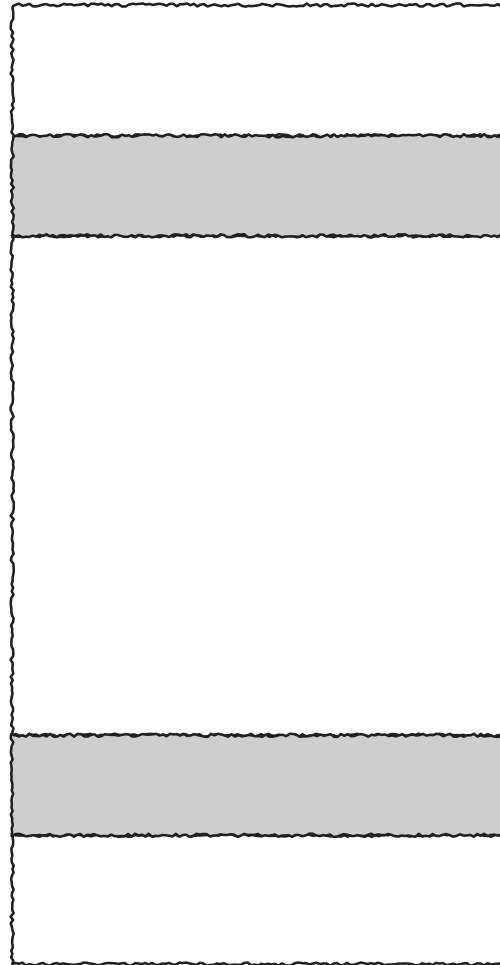
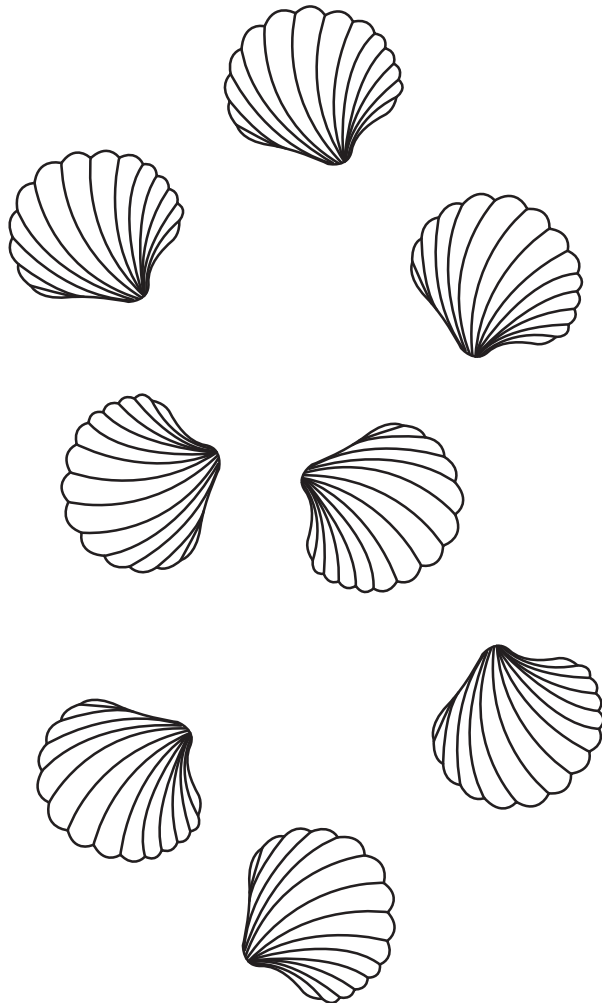


Write the missing number in the box on the number line.

14

Jack has 12 shells.

Some of his shells are hidden under a beach towel.



How many shells are hidden?

4 shells



15

Ahmed puts some of the months of the year in order.

March

April

?

June

One of the months is missing.

Which month is it?

Circle the missing month.

August

December

May

July

16

Look at these numbers.

9 1 11 8 2

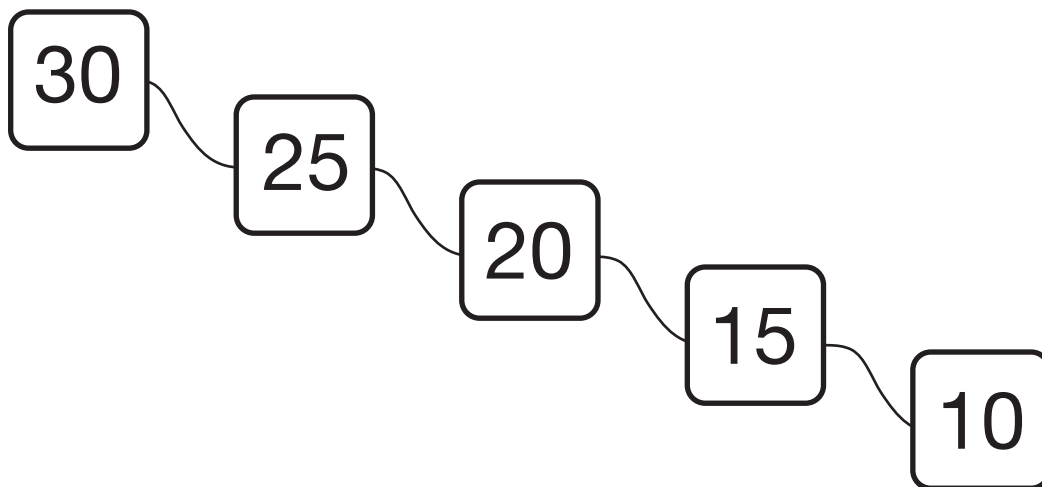
Find the pair of numbers that total 20.

and



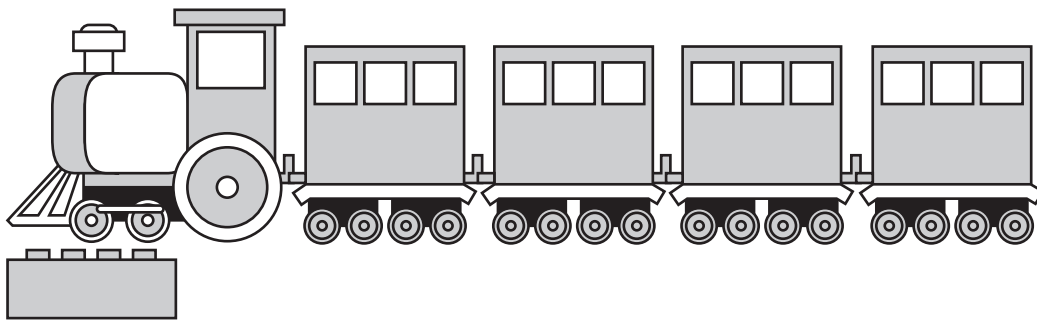
17

Write the **two** missing numbers in this pattern.



18

Here is a picture of a toy train.



Tom uses his bricks to measure the length of the train.

How many bricks  do you think Tom will need to use?

Circle your answer:

3

10

6

4

9

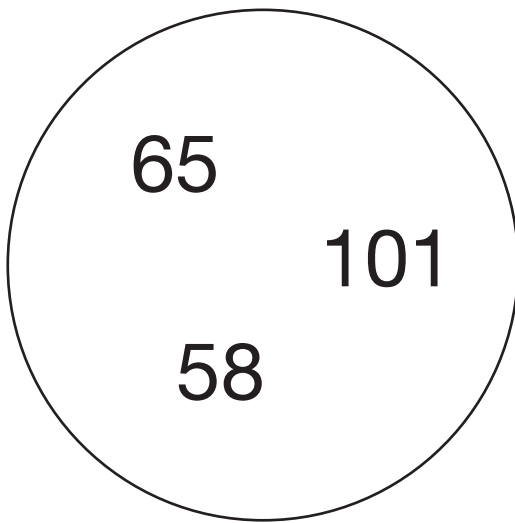


19

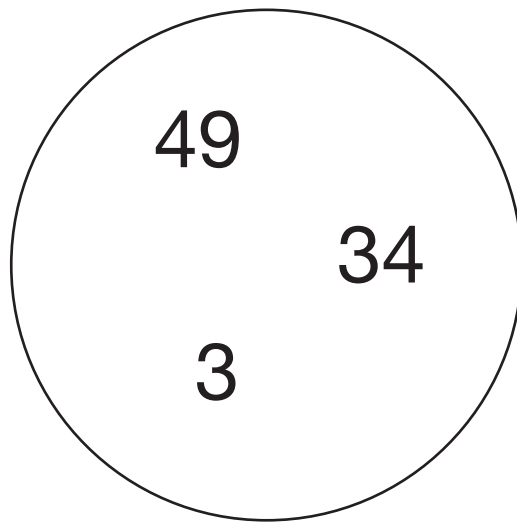
Look at the numbers.

49 65 101 34 58 3

a) Write the numbers in the correct group.



more than 50



less than 50

b) Write a different number that belongs in the **more than 50** group.

Any number that is more than 50 except 65, 101 and 58 as these are already given.

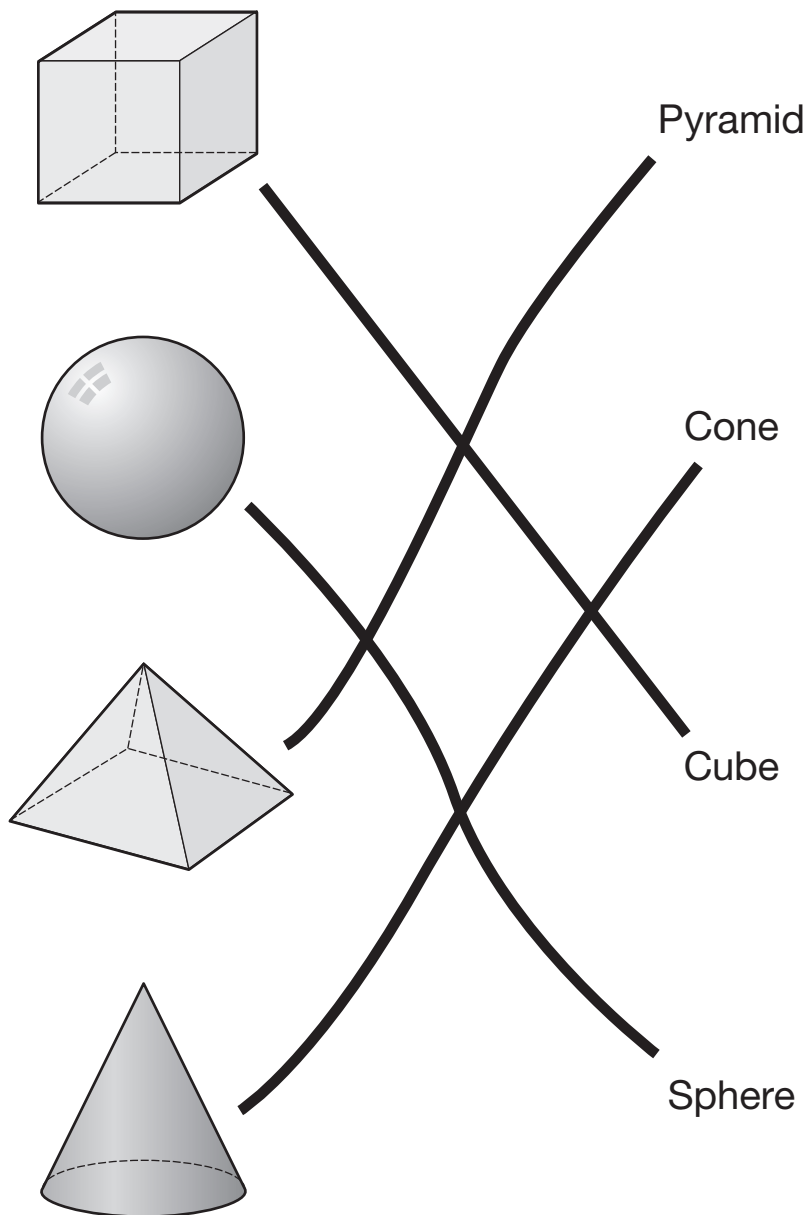


2 marks

Look at these 3-D shapes.

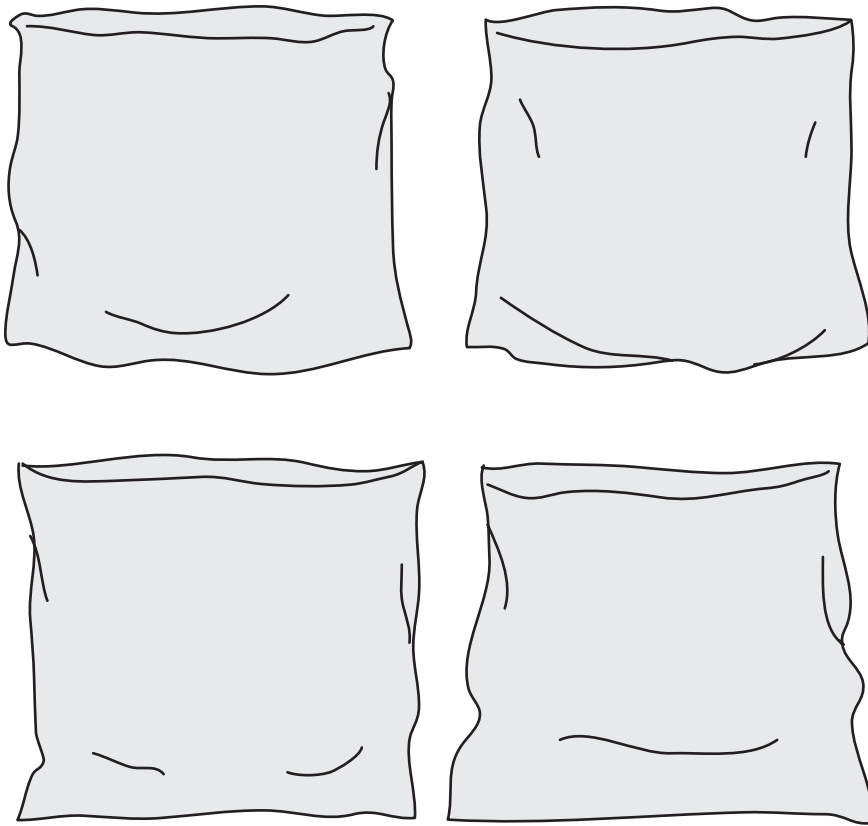
Draw lines to match the shapes with their names.

One has been done for you.



21

Simi puts 2 sweets in each of these bags.



How many sweets are there altogether?

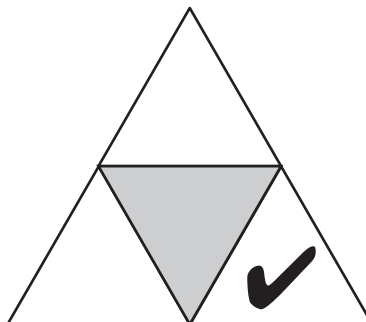
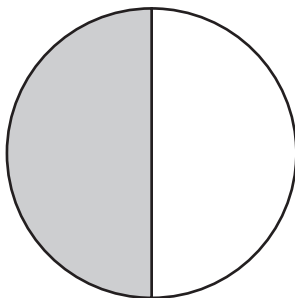
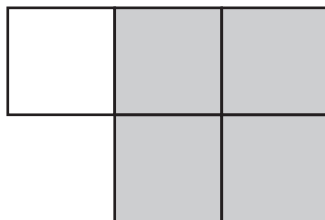
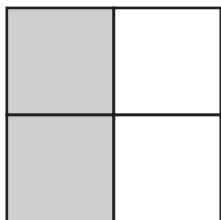
8 sweets



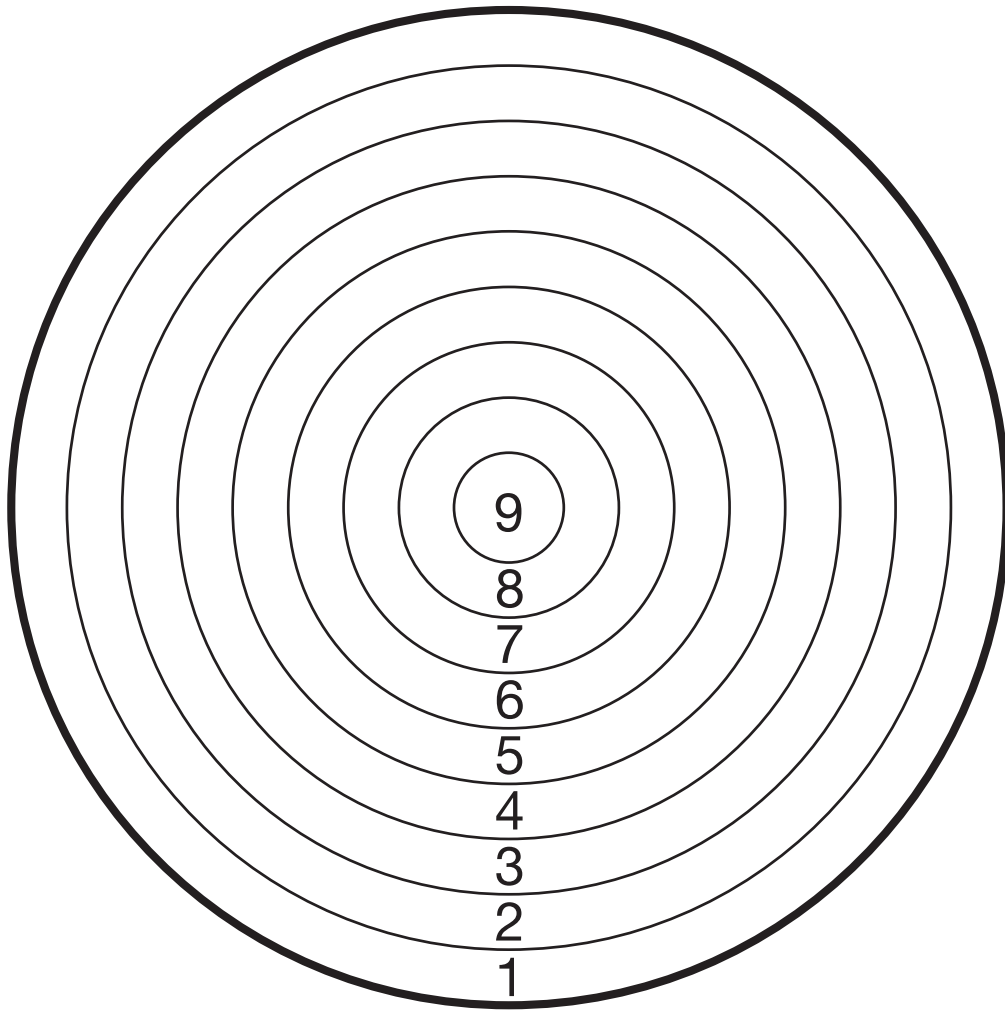
22

Look at these shapes.

Tick (✓) all the shapes that show $\frac{1}{4}$.



Ahmed and Simi are playing a beanbag game.



The winner is the first player to score 15 points with their beanbags.

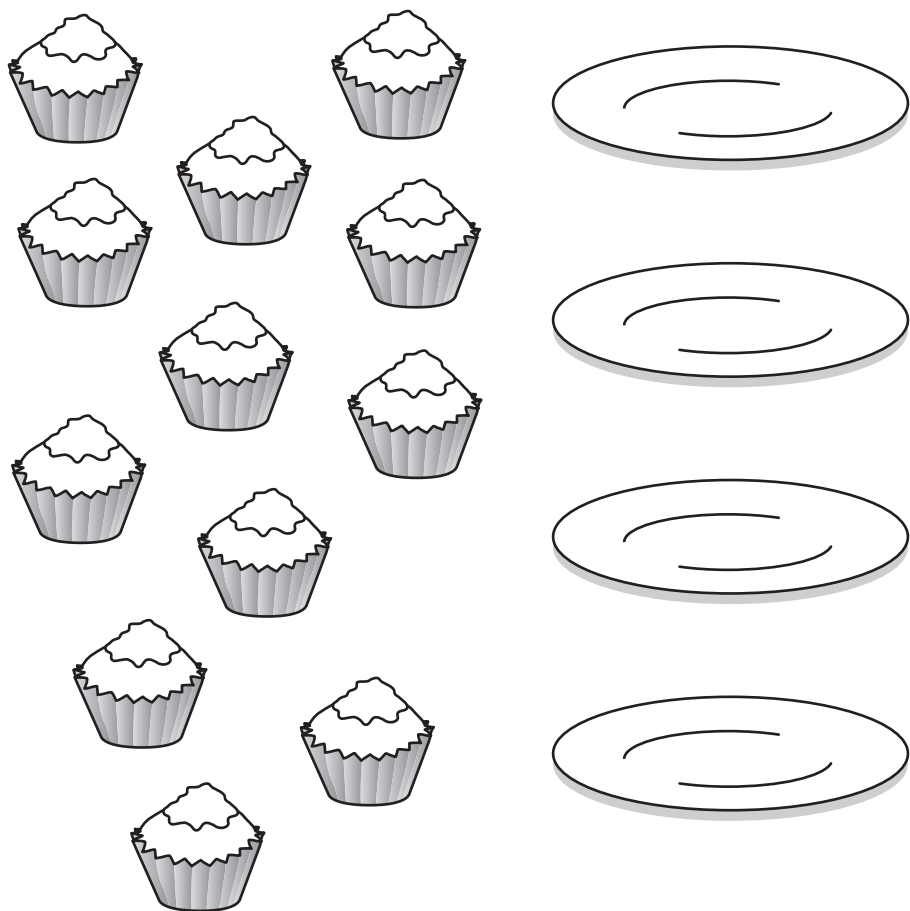
Simi scores 9 points on her first throw.

How many more points does she need to win the game?

6

points





Anna shares the cakes equally between 4 plates.

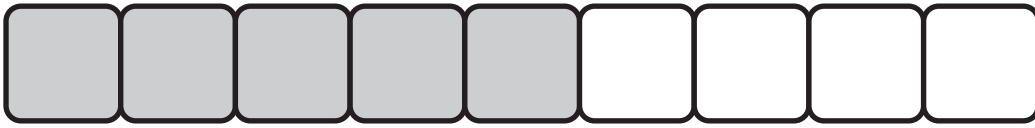
How many cakes does she put on each plate?

3 cakes



25

This picture shows a calculation.



Tick (✓) the calculation that matches the picture.

$5 + 5 = 10$

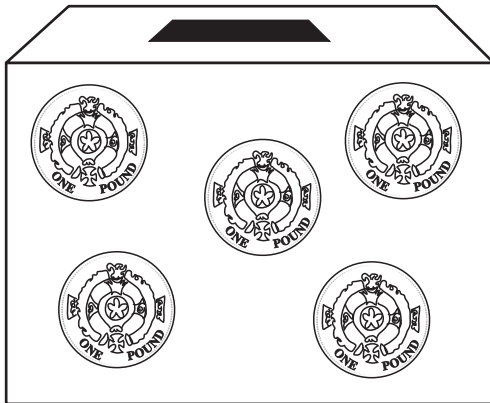
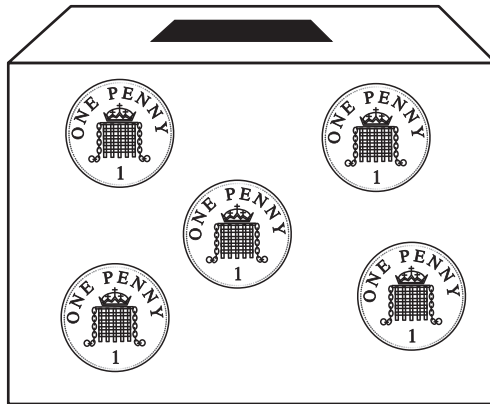
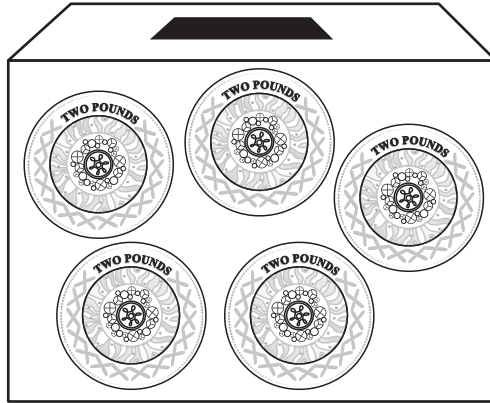
$5 - 4 = 9$

$5 + 4 = 9$

$4 - 9 = 5$



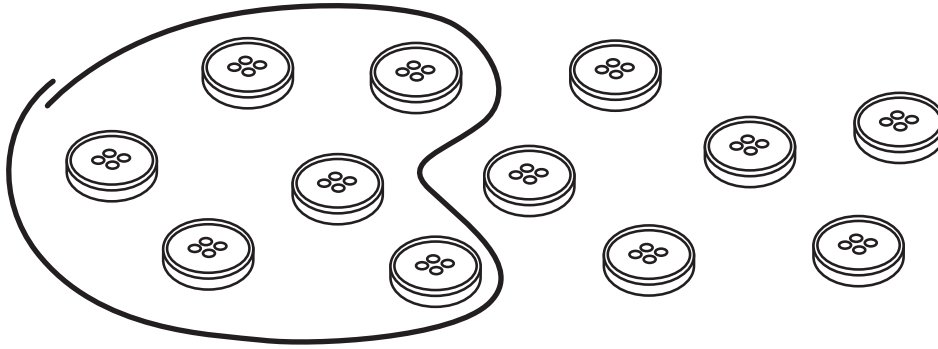
Here is a £5 note and some moneyboxes.



Tick (✓) the moneybox that shows the same amount of money as a £5 note.

27

Look at the group of buttons.



a) Circle half of the group of buttons.

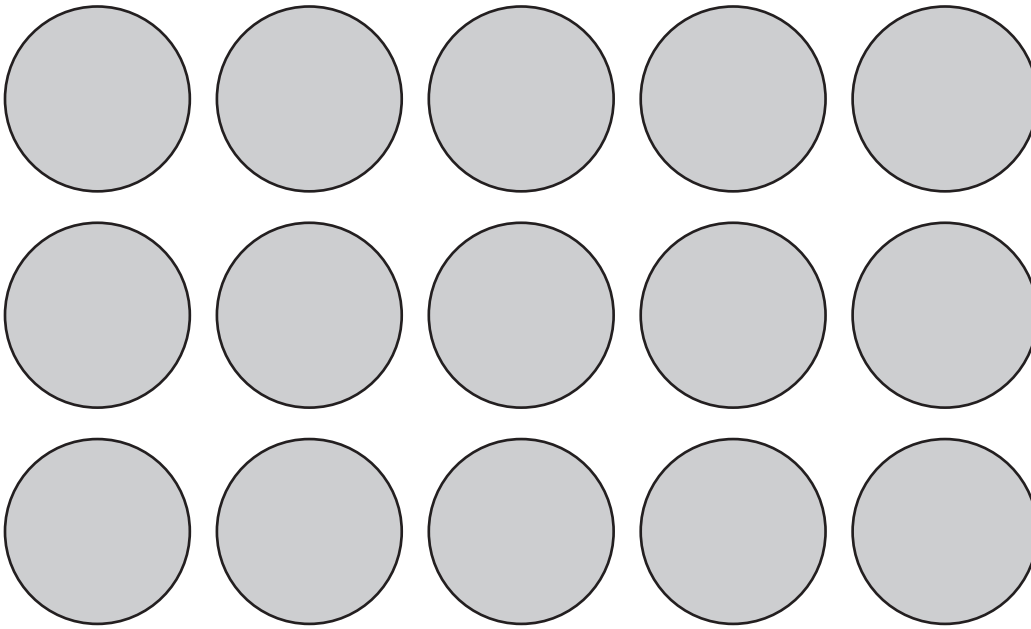
b) How many buttons are there in $\frac{1}{4}$ of the group of 12 buttons?

3 buttons



2 marks

Here is an array of counters.



Write the missing numbers in the sentences used to describe the array.

There are groups of 5 counters.

There are groups of 3 counters.

There are counters altogether.



2 marks

Look at these numbers

7 12 5

Use the numbers to make four different number sentences.

One has been done for you.

$$\boxed{7} + \boxed{5} = \boxed{12}$$

$$\boxed{5} + \boxed{7} = \boxed{12}$$

$$\boxed{12} - \boxed{7} = \boxed{5}$$

$$\boxed{12} - \boxed{5} = \boxed{7}$$



2 marks

30

I counted in steps of
5 from 0 to 30.



How many steps did Tom count?

6

steps of five



31

There are 30 children in class 1F.

14 children have a pet at home.

How many children do not have pets?

16

children

