

Reasoning

Name: _____

Class: _____



Tom



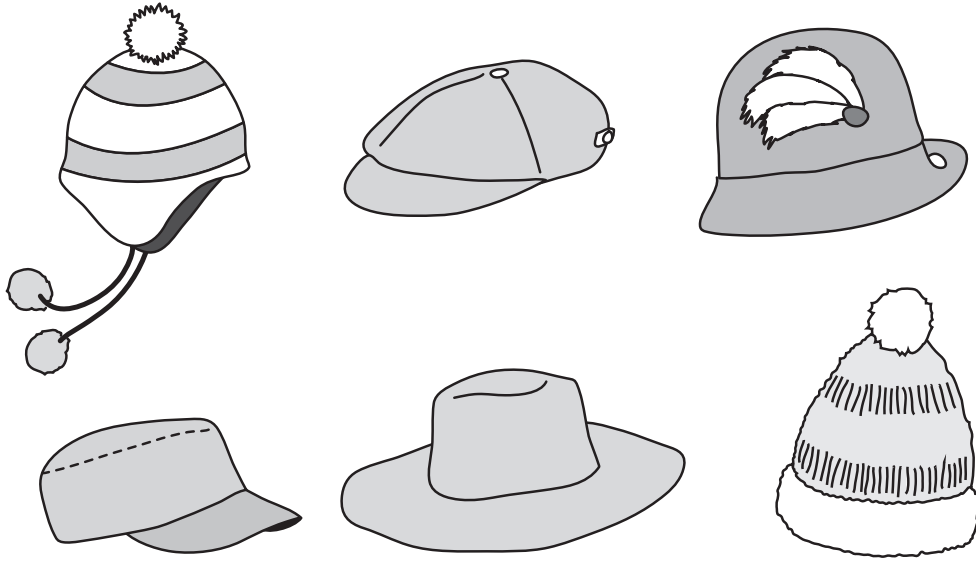
Simi

Anna

Jack

Ahmed

Practice question



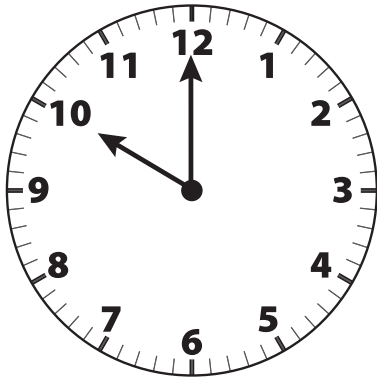
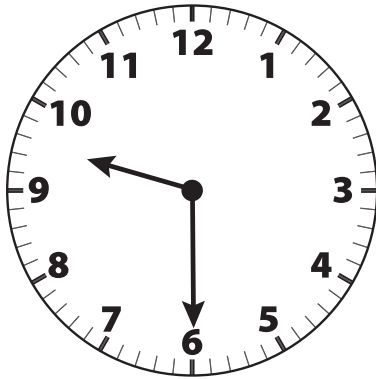
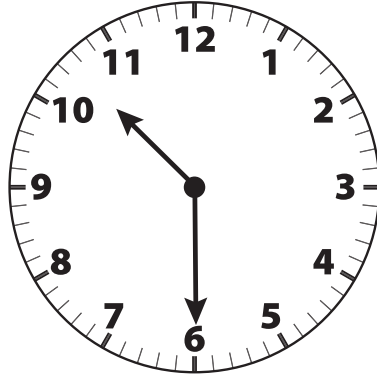
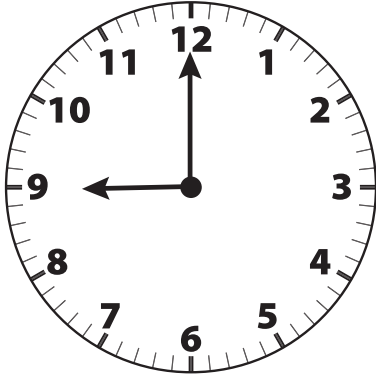
hats

1



2

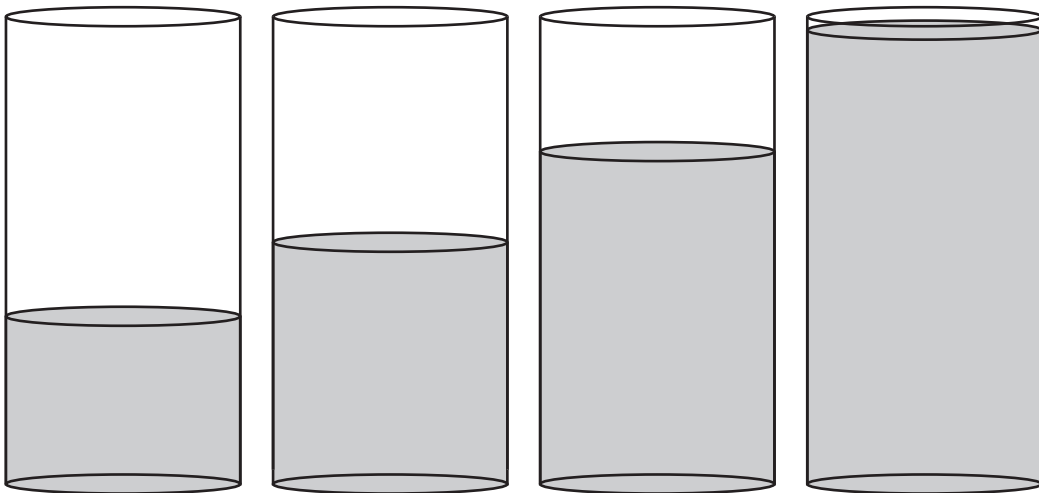




4



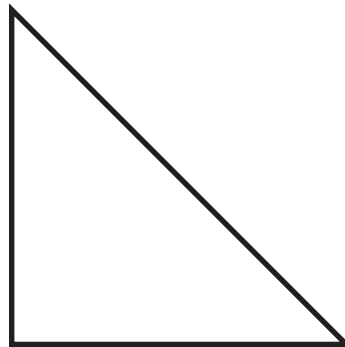
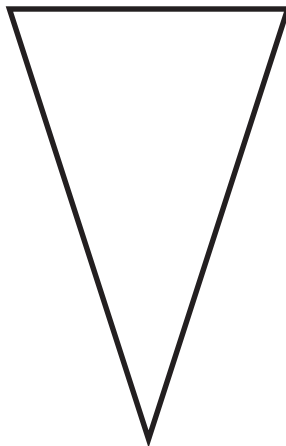
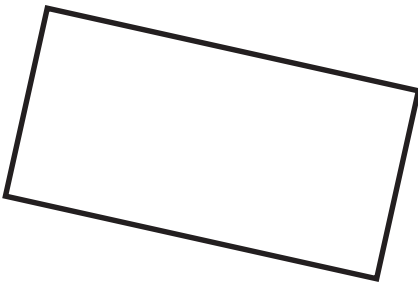
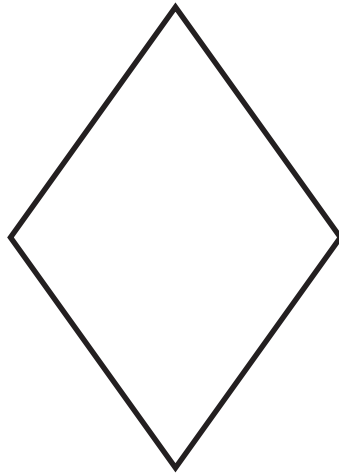
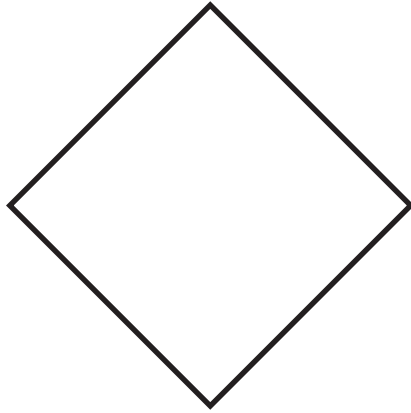
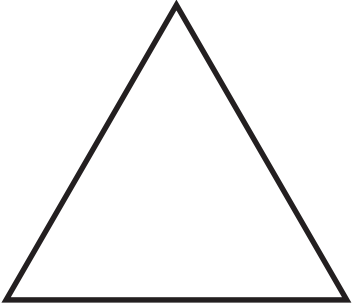
5



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?



8

Fill in the **two** empty boxes.

1 more than 9 is 10

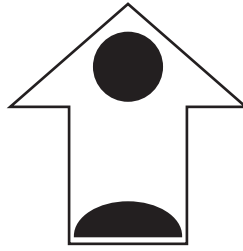
1 more than 8 is

1 less than 7 is



9

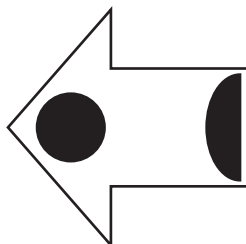
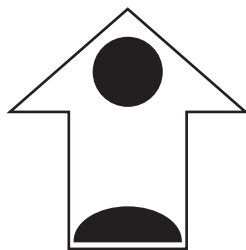
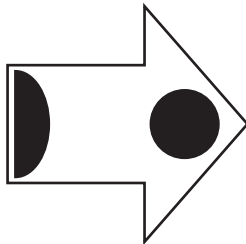
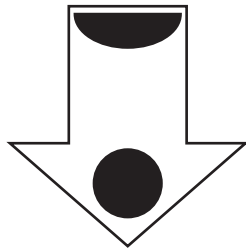
Look at this shape.



The shape makes half a turn.

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

Tick (✓) the correct box.



10

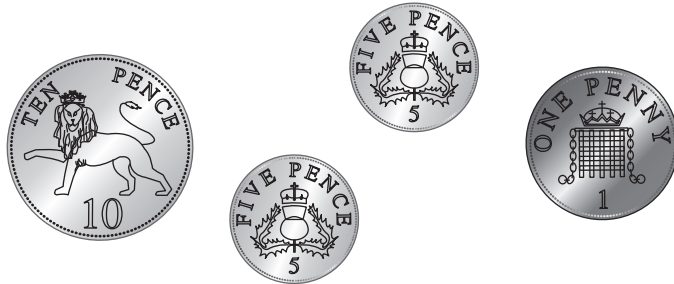
Here is a number in numerals.

14

Write the same number in words.

11

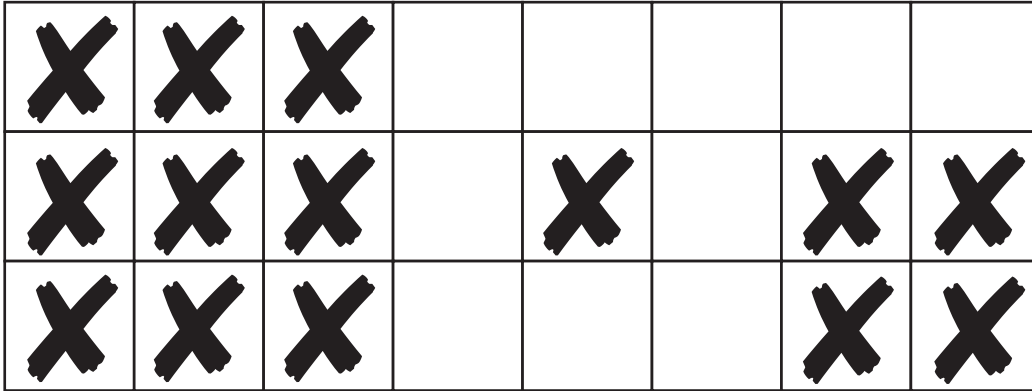
Simi has these coins in her purse.



How much money has she got altogether?

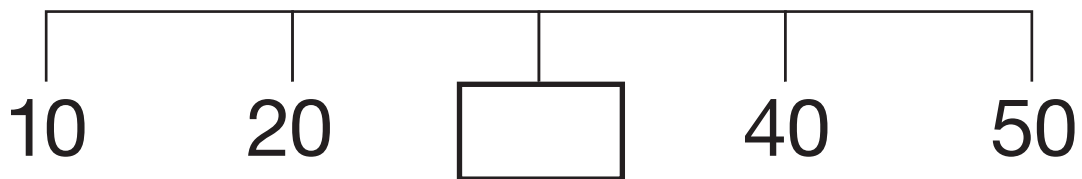
 p

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.

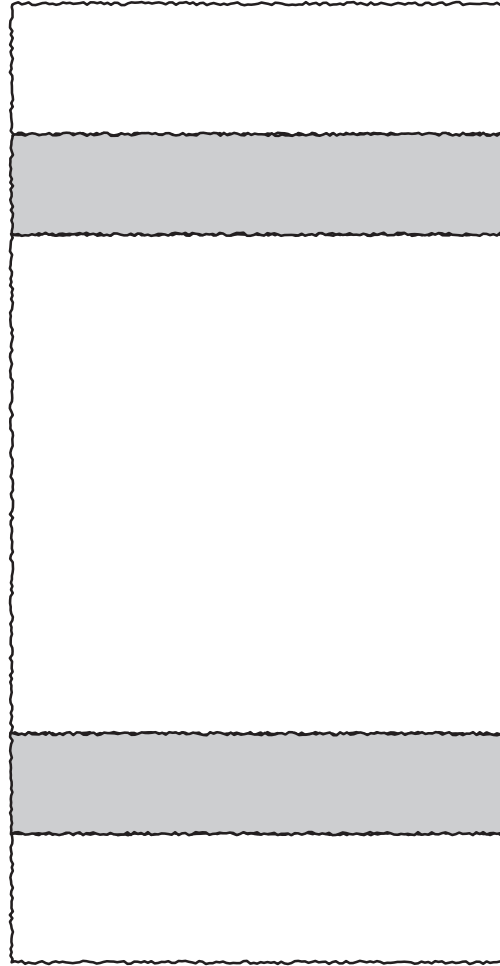
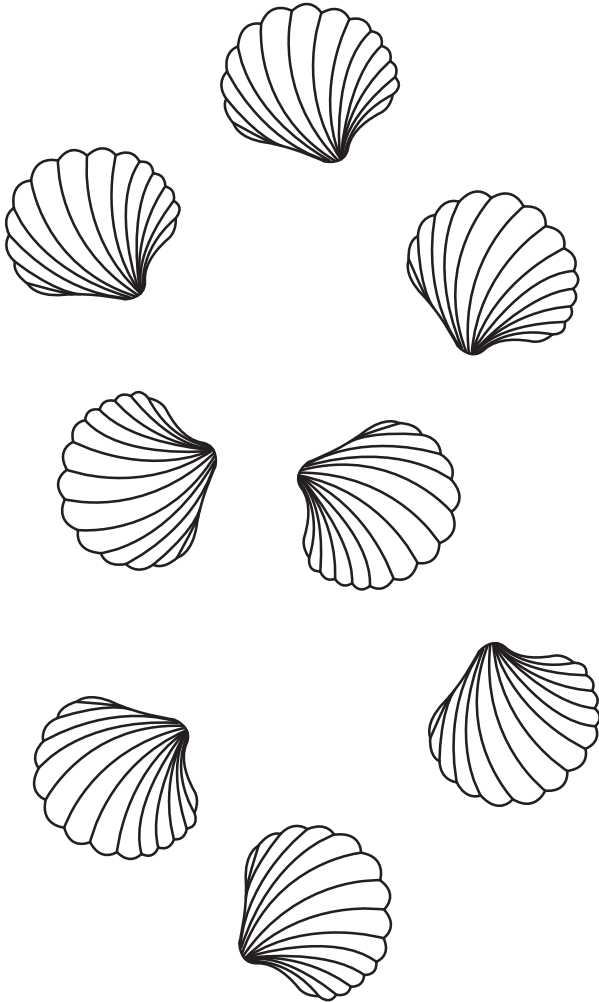


Write the missing number in the box on the number line.

14

Jack has 12 shells.

Some of his shells are hidden under a beach towel.



How many shells are hidden?

| |
|--------|
| 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.

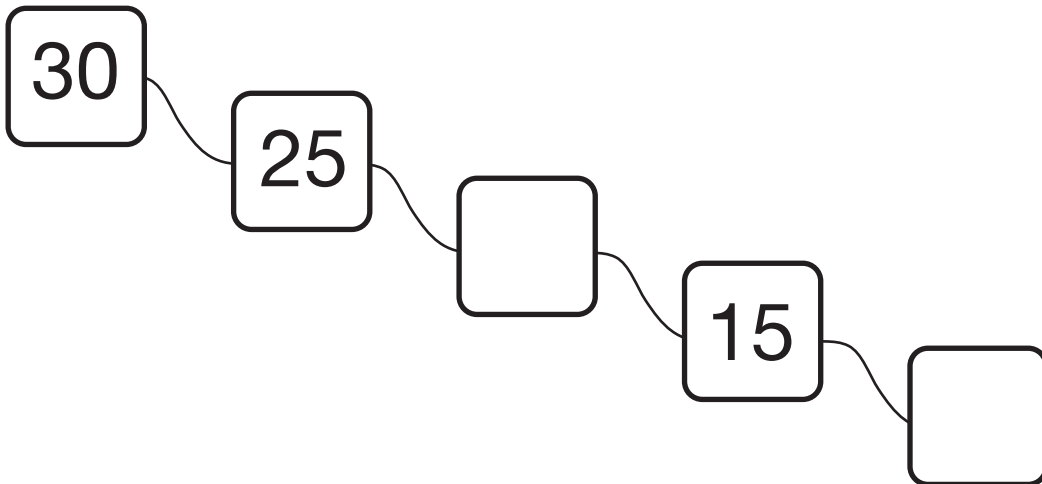
9 1 11 8 2

Find the pair of numbers that total 20.

and

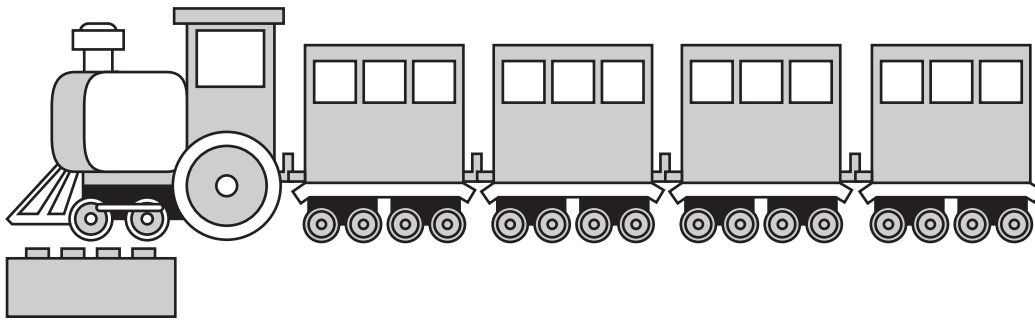
17

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

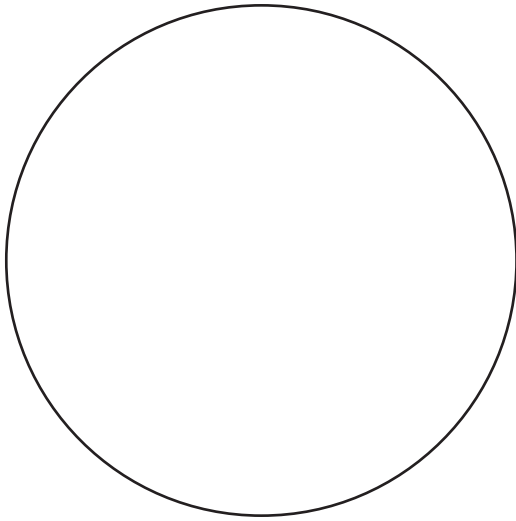


19

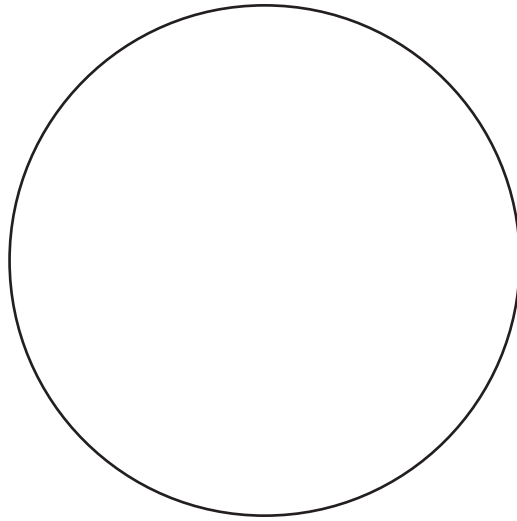
Look at the numbers.

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.

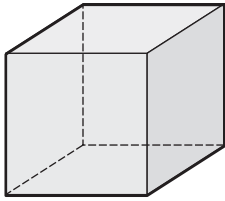


2 marks

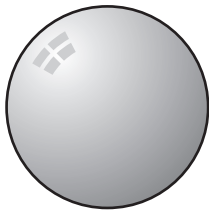
Look at these 3-D shapes.

Draw lines to match the shapes with their names.

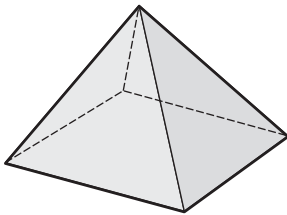
One has been done for you.



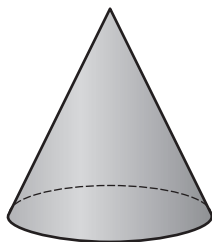
Pyramid



Cone



Cube

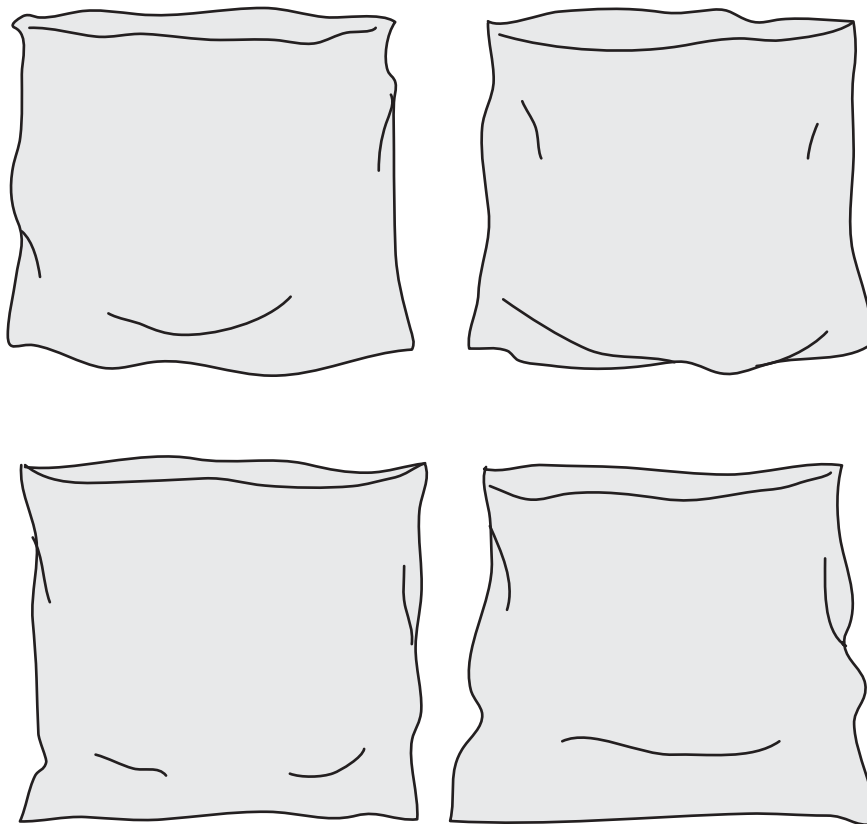


Sphere



21

Simi puts 2 sweets in each of these bags.



How many sweets are there altogether?

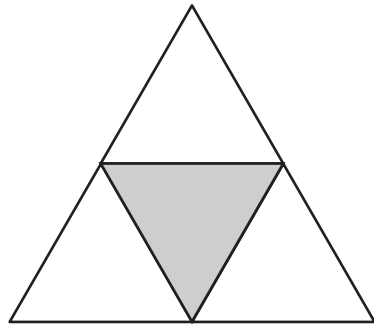
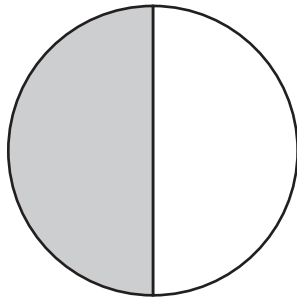
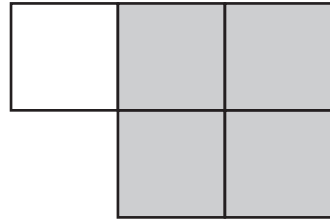
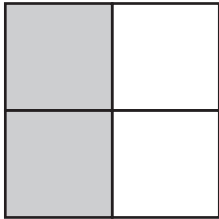
| |
|--|
| |
|--|

sweets

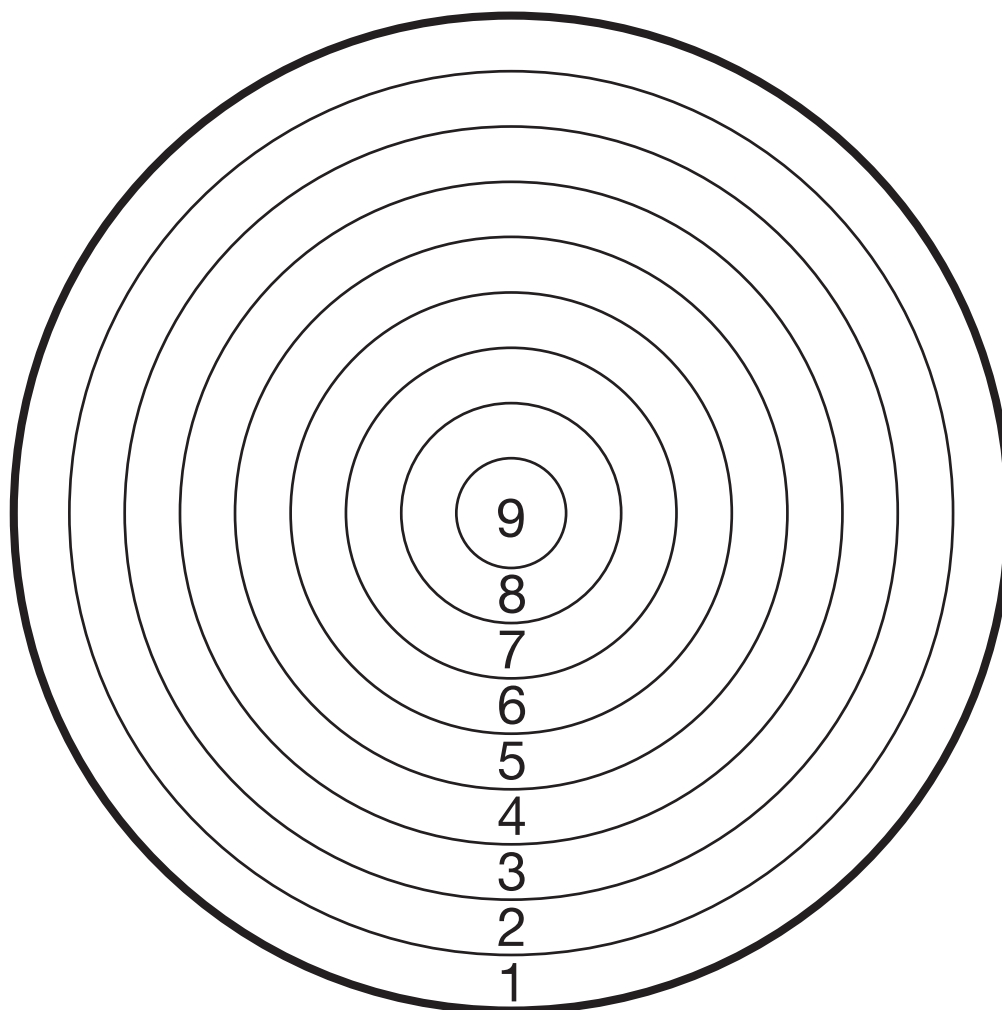
22

Look at these shapes.

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



Ahmed and Simi are playing a beanbag game.

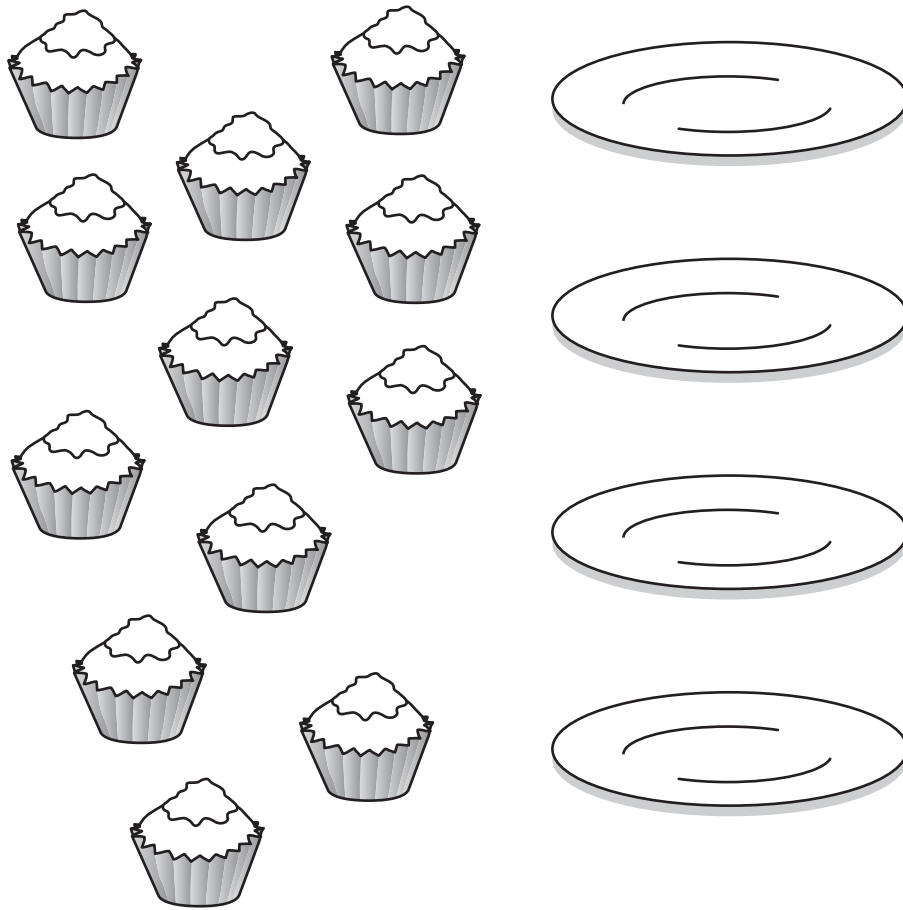


The winner is the first player to score 15 points with their beanbags.

Simi scores 9 points on her first throw.

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

| |
|--------|
| points |
|--------|



Anna shares the cakes equally between 4 plates.

How many cakes does she put on each plate?



25

This picture shows a calculation.



Tick (✓) the calculation that matches the picture.

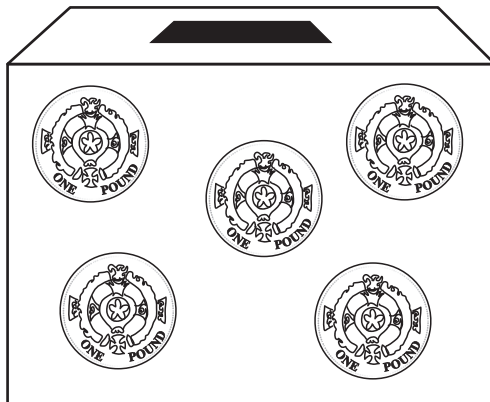
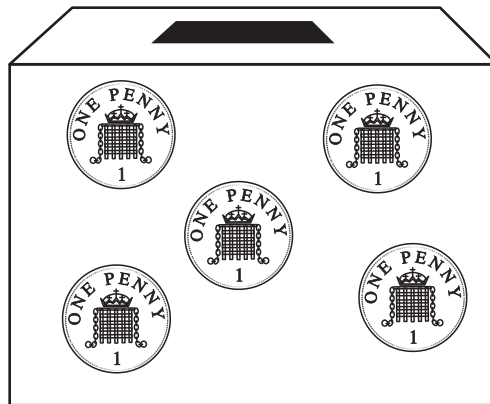
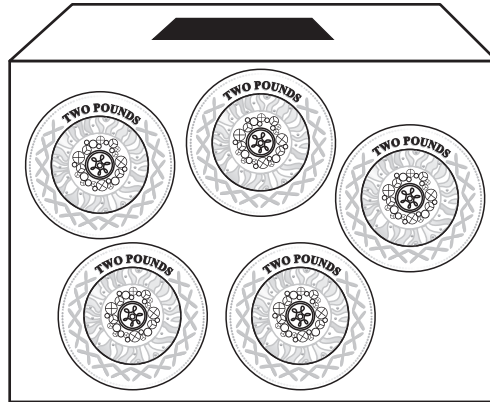
$$5 + 5 = 10 \quad \square$$

$$5 - 4 = 9 \quad \square$$

$$5 + 4 = 9 \quad \square$$

$$4 - 9 = 5 \quad \square$$

Here is a £5 note and some moneyboxes.

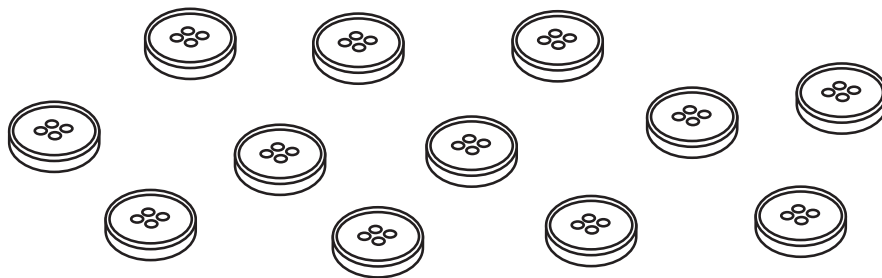


Tick (✓) the moneybox that shows the same amount of money as a £5 note.



27

Look at the group of buttons.



a) Circle half of the group of buttons.

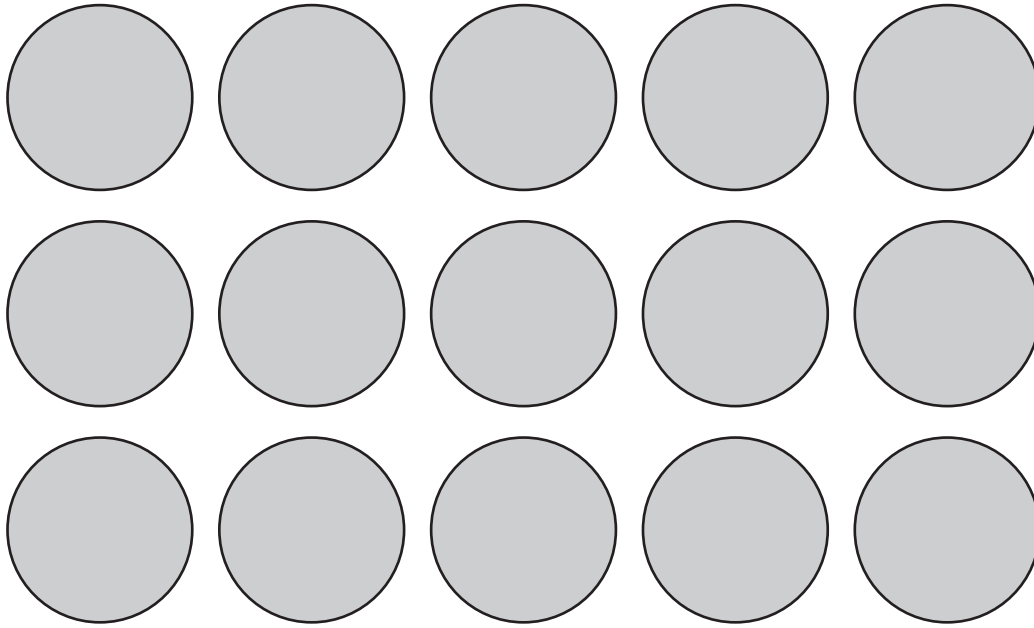
b) How many buttons are there in $\frac{1}{4}$ of the group of 12 buttons?

| |
|---------|
| 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.

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

$$\boxed{} + \boxed{} = \boxed{}$$

$$\boxed{} - \boxed{} = \boxed{}$$

$$\boxed{} - \boxed{} = \boxed{}$$



2 marks

30

I counted in steps of 5 from 0 to 30.



How many steps did Tom count?

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?

children