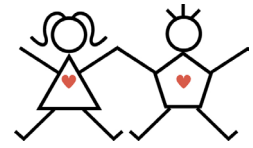


Predicted national curriculum tests

# Key stage 1



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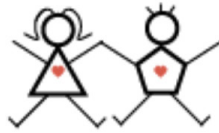
## Mathematics

### SET 2 - Paper 2: reasoning

Full Name	
School	
Date	

Total Marks

--



## Instructions:

1. You **must not** use a calculator to answer any questions in this test.
2. It is expected that the test will take approximately 35 minutes to complete, but it is not strictly timed.
3. Work as quickly and as carefully as you can.
4. For each question follow the instructions and write your answer in the box as shown in the below picture.

5. If you need to do working out, you can use the space around the question.
6. The number under each circle at the side of the page tells you the maximum number of marks available for each question.
7. Some questions have a method box like this:

For these questions, you may get a mark for showing your method.

8. If you cannot do a question, go on to the next one. You can come back to it later, if you have time. If you finish before the end, go back and check your work.

## Symbols used:



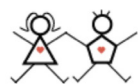
Go to the next page.



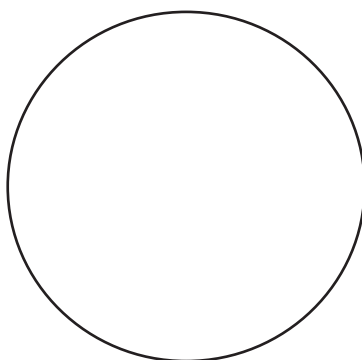
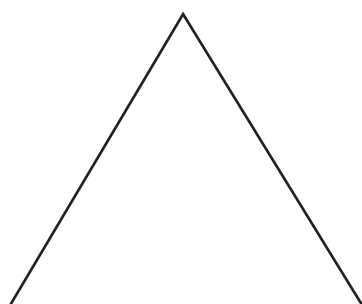
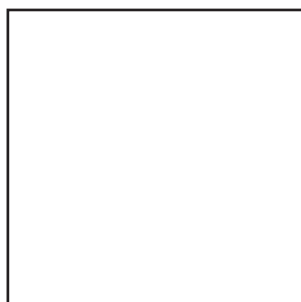
Do not turn the page until told to do so.



Stop working and await instructions.

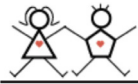


1



1 mark





2

41



--	--

36



--	--

52



--	--

67



--	--

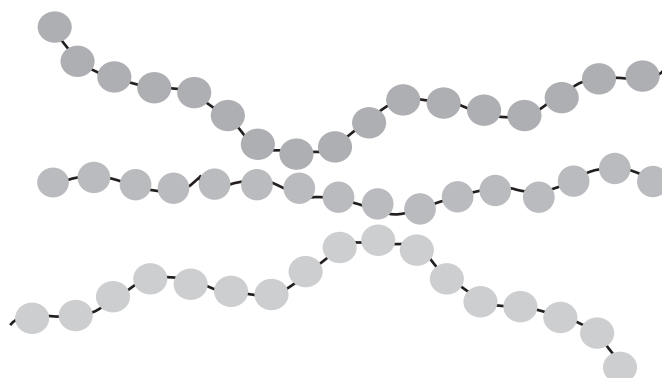


1 mark



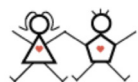


3



1 mark





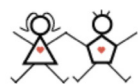
4

$$\square \div \square = 30$$



1 mark





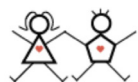
5

$$89 = \underline{\hspace{15cm}}$$



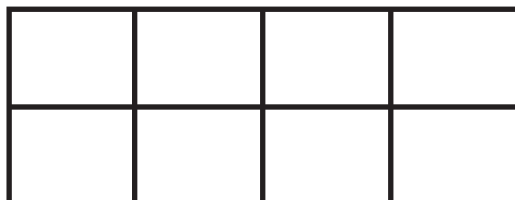
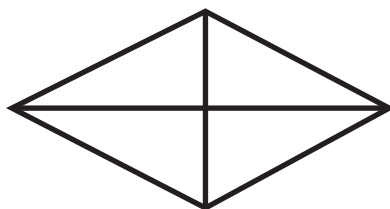
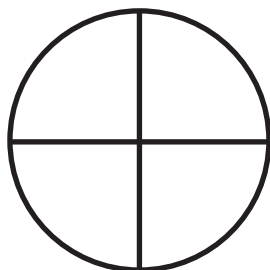
1 mark





6

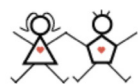
Shade quarter part of each shape.



1 mark



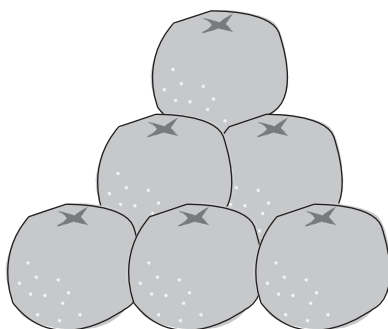




7

Kelly **buys** 6 oranges at **4p each**.

**Find** the **total** money she pays for all oranges.



1 mark

8

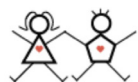
**Find** the **missing** value.

$$23 \text{ plus } 2 \text{ plus } 3 = \underline{\hspace{2cm}}$$




1 mark

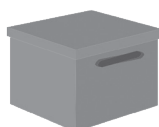




9

Here is a chart about the fruits purchased by a shopkeeper.

Oranges	   
Apples	     
Kiwis	 
Pineapples	  
Pears	    



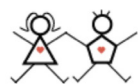
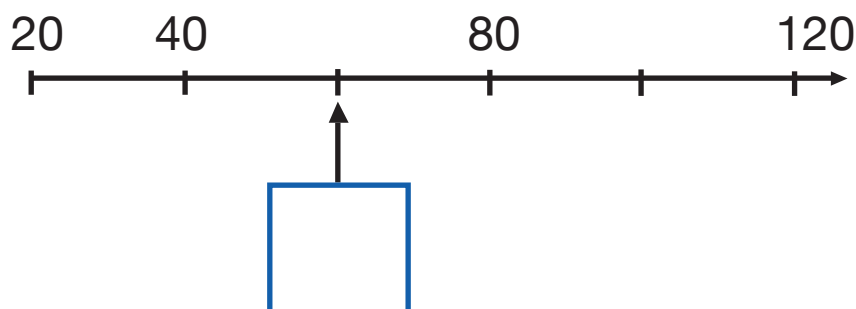
= 4 Fruits

How many **apples** are **bought more** as compared to the **Pineapples**?



1 mark

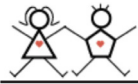


**10**Write the **correct number** in the box marked on the number line.  
1 mark**11**Write the **correct number** in the box marked on the number line.

$$9 \square 4 - 2 = 11$$

$$2 \times 4 = 4 \square 4$$

  
1 mark

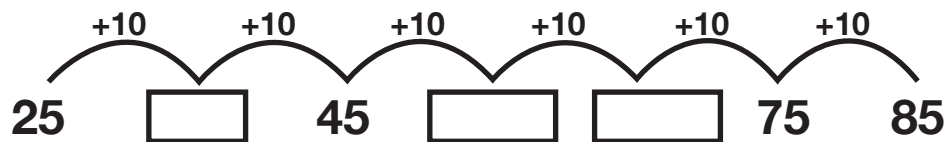
**12****Round** each of the numbers to the **nearest 10**.

$69 = \underline{\hspace{2cm}}$

$13 = \underline{\hspace{2cm}}$

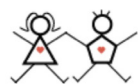


1 mark

**13****Write** the **missing digits** to complete the following pattern correct.

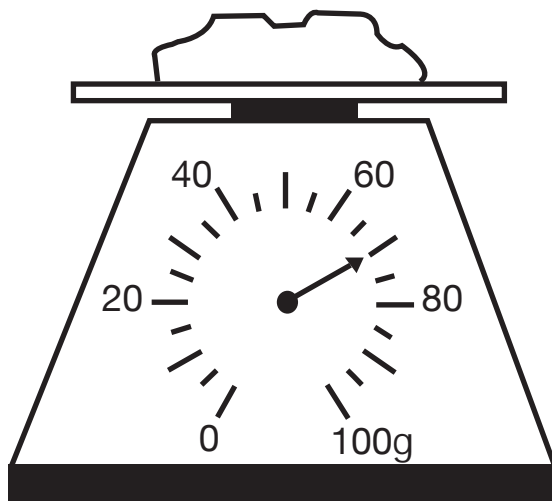
1 mark





14

Read and write the measurement on the given weighing scale.

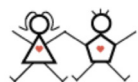


g



1 mark

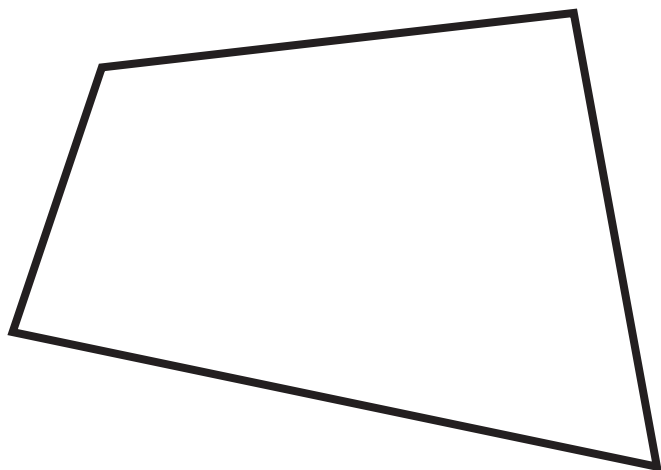




15

Measure the **longest side** of the Quadrilateral.

Use a ruler.

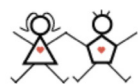


cm



1 mark



**16**

The same shape means the same number.

Write the **numbers** in the given shape to **make** the **calculation** correct.

$$\text{Shape} + \text{Shape} + 10 = 80 - 30$$



1 mark

**17**

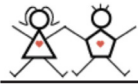
Circle the **three** numbers that are **even** numbers.

45    24    57    64    4    11    39



1 mark



**18**

Write the following numbers in **order**, starting from the **largest**.

14	2	20	76	47	99	69
----	---	----	----	----	----	----

--	--	--	--	--	--	--

**Largest****smallest**

1 mark

**19**

Look at the following numbers and answer the questions.

27	45	39	68	3
64	15	20	74	

**Tick** two numbers that are **greater than 60**

**Cross** two numbers that are **less than 30**

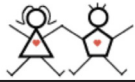
**Circle** a number with **4 tens**



2 marks







20

One sheet has **9** stickers as shown in the diagram below.



Ben **buys 3 such sheets** of stickers.

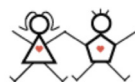
He **gives 15** stickers to **his sister**.

**How many stickers** are now **left** with Ben?



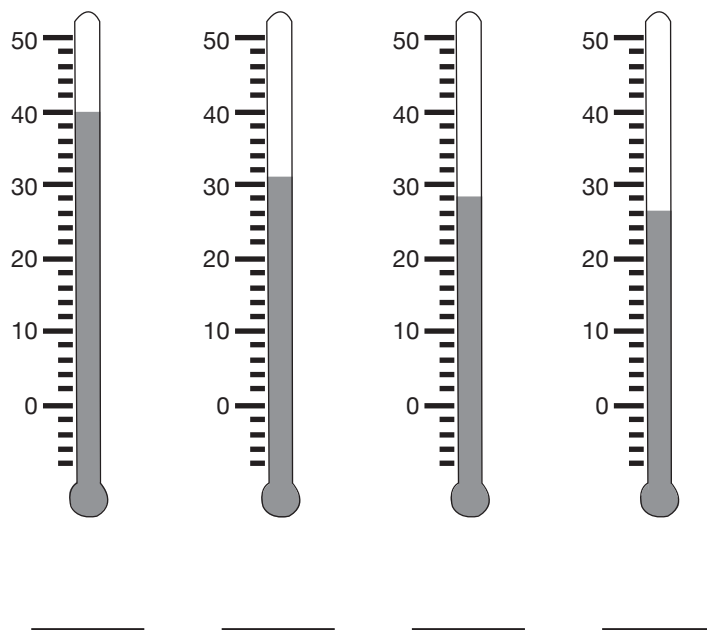
1 mark





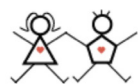
21

Find the temperature in each of the thermometer.



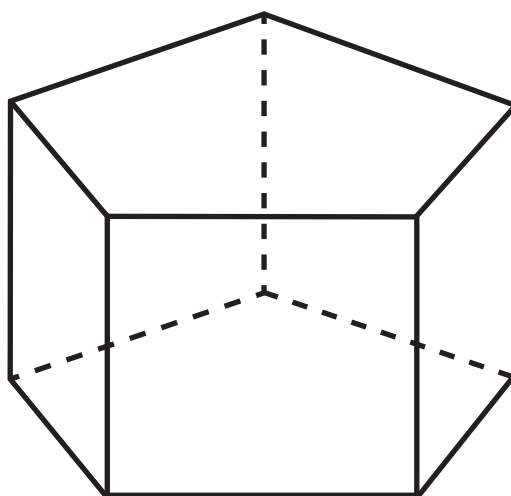
1 mark





22

Look at the given prism.



**Count** and **write** the number of **faces**, **edges** and **vertices** of this prism.

faces: \_\_\_\_\_

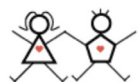
vertices: \_\_\_\_\_

edges: \_\_\_\_\_



1 mark

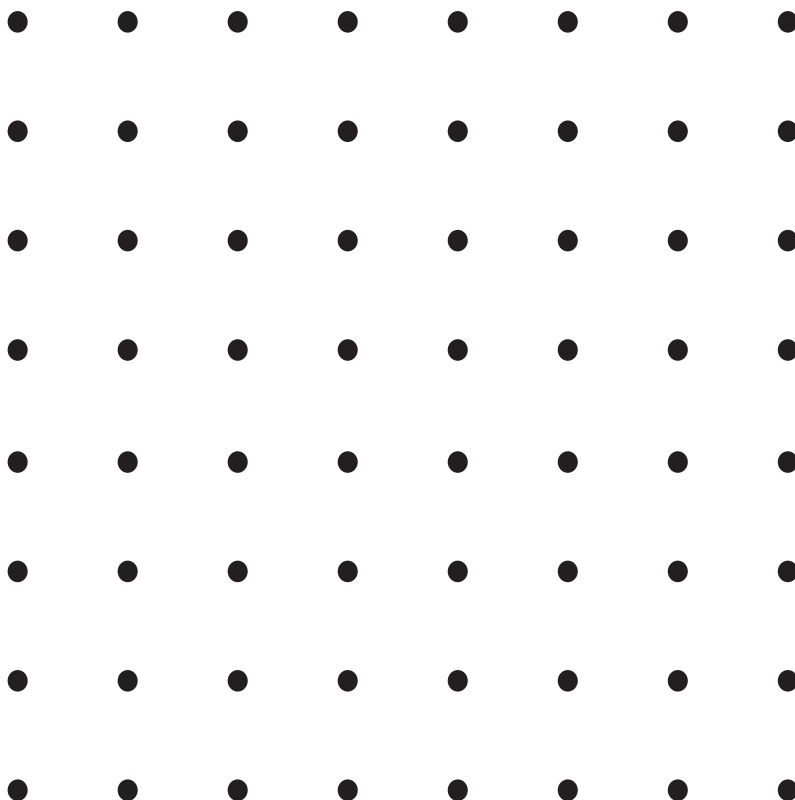




23

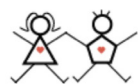
Draw a right-angled triangle with base as 6 and height as 5.

Use the dots to help you.



1 mark





24

**Match** the items on the **left** to how much you think **they weigh**.

The first has been done for you.

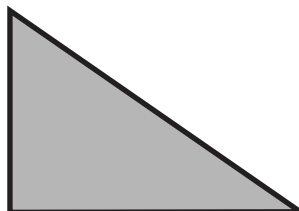
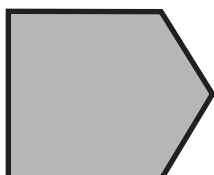
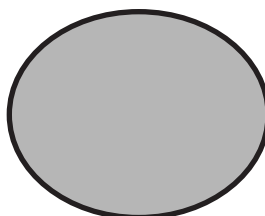
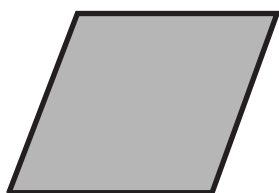
A bag of wheat flour	12g
A grown up man	75kg
A cup of tea	5kg
An eraser	250g



1 mark

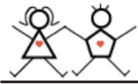
25

**Tick** the **shapes** that have **at least one right-angle** in it.



1 mark



**26**

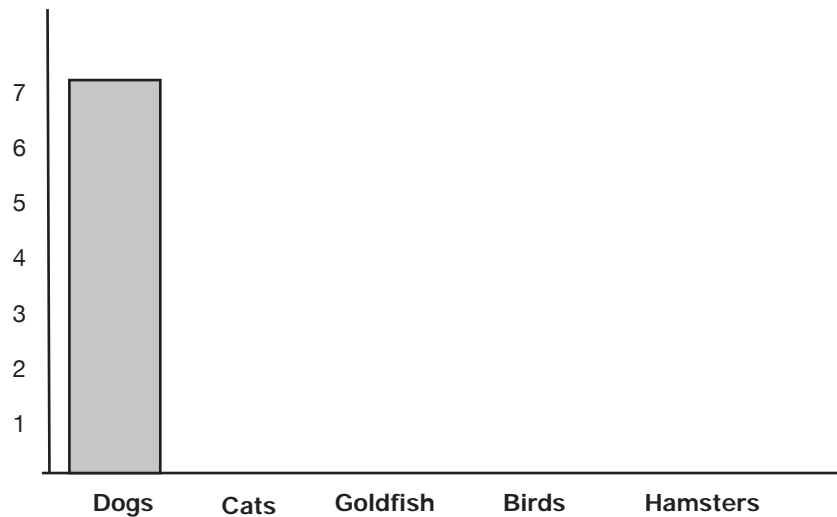
Look at the bar chart below.

This chart shows the number of pets owned by pupils at a school.

There are **total 7 dogs, 5 cats, 3 Goldfishes, 6 birds and 2 Hamsters.**

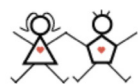
The first one is marked on the bar chart.

**Complete** the following bar chart for the other pets.



1 mark



**27**Fill in the **missing digits** to **make** the **calculations correct**.

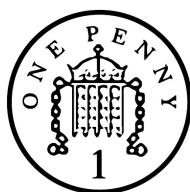
$$35 \xrightarrow{+10} \boxed{\phantom{00}} \xrightarrow{\times 2} \boxed{\phantom{00}} \xrightarrow{+5} \boxed{\phantom{00}} \xrightarrow{-10} \boxed{\phantom{00}} \xrightarrow{+20} \boxed{\phantom{00}}$$



2 marks

**28**If a box of pencil **costs 62p**.

Here are some coins given.

**Tick** which **three coins** would you **use** to pay for it?

1 mark

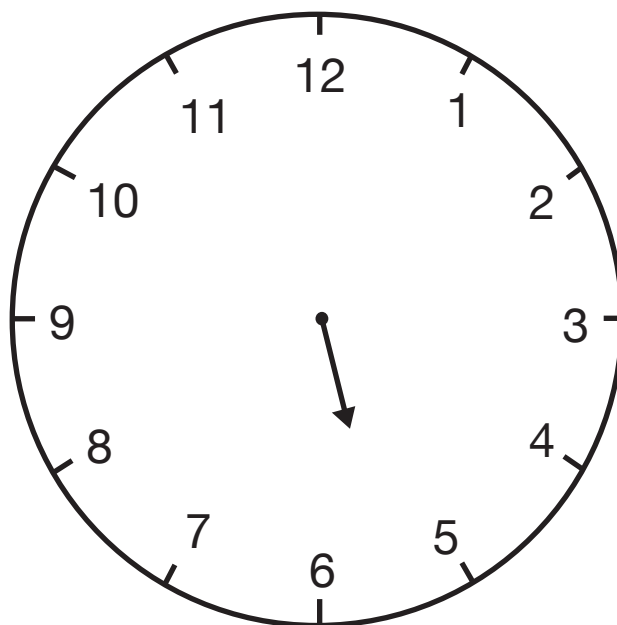




29

Draw the **minute hand** on the clock given to **show**

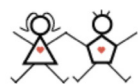
**Fifty-three past 5**



1 mark







30

Sally has 1 packet of 45 balloons.



He **shares** these balloons with **his 9 friends**.

**Tick** the calculation that will **help him** to find the **exact number** of balloons to be given to **each friend**.

Tick **one**.

$$45 + 9 = 54$$

☐

$$45 - 9 = 36$$

☐

$$45 \div 9 = 5$$

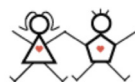
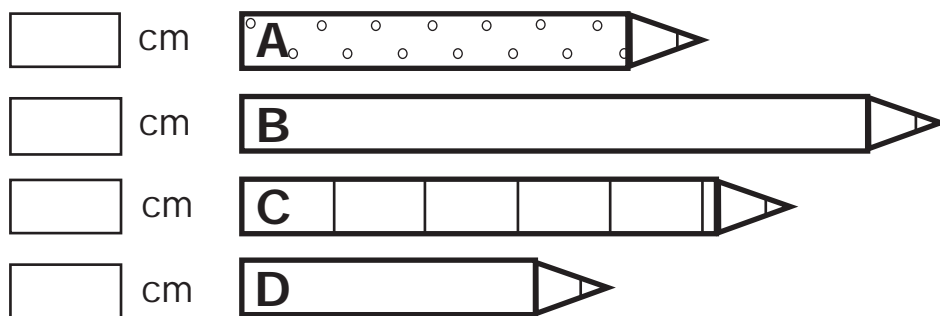
☐

$$45 \times 9 = 405$$

☐

2 marks



**31****Measure** each pencil **and write** down its **length in cm**.**Use a ruler.**

1 mark

**32**

In a school there are **89** children. During the year **25** children leave.

**How many** children are **now left** in the school?



1 mark

