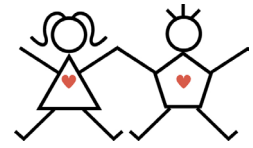


Predicted national curriculum tests

Key stage 1



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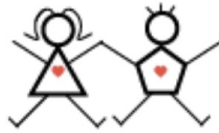
Mathematics

SET 6 - 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:

Show your method

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:



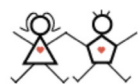
Go to the next page.



Do not turn the page until told to do so.



Stop working and await instructions.



1

36



--	--

48



--	--

29



--	--

87



--	--

























1 mark





2

Each  represents 2 children. Each  represents one child.

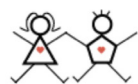
Pickle								
Peanut butter								
Cheese								
Ham								
Tuna								

Cheese = 5 children

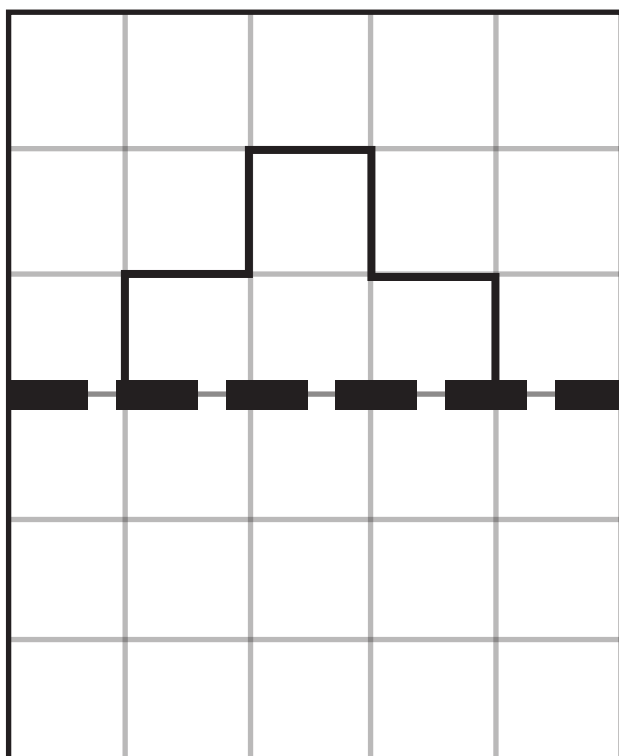


1 mark



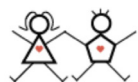


3



1 mark





4

$$\square \times \square = 45$$

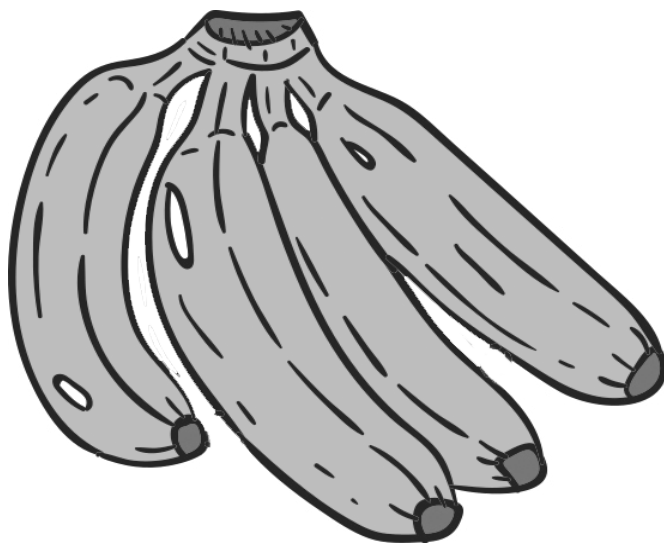


1 mark





5



p



1 mark





6

Write $<$, $>$ or $=$ on the lines given below by **comparing** the numbers.

$$9 \quad \underline{\hspace{1cm}} \quad 7$$

$$12 \quad \underline{\hspace{1cm}} \quad 5$$

$$14 \quad \underline{\hspace{1cm}} \quad 14$$

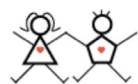
$$11 \quad \underline{\hspace{1cm}} \quad 15$$

$$12 \quad \underline{\hspace{1cm}} \quad 13$$



1 mark





7

There are 42 children in total going to the theatre.

If each minibus can carry 7 children.

How many minibuses are required to get all the children there?

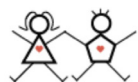


buses



1 mark





8

Everyday John leaves from school at 3.45pm.

It takes him 20 minutes to reach home.

What time does he reach home?

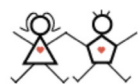


pm



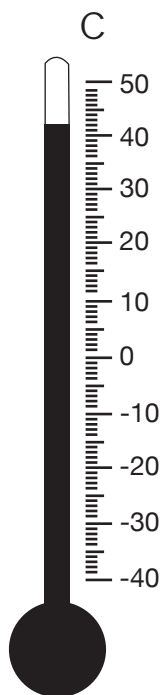
1 mark



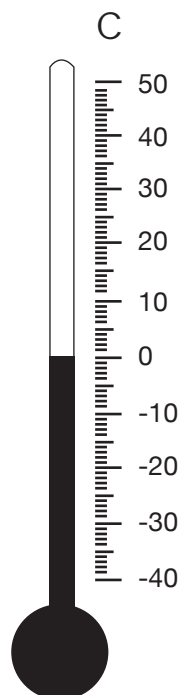


9

Write the **temperature** that each thermometer shows in the box given below it.



C



C

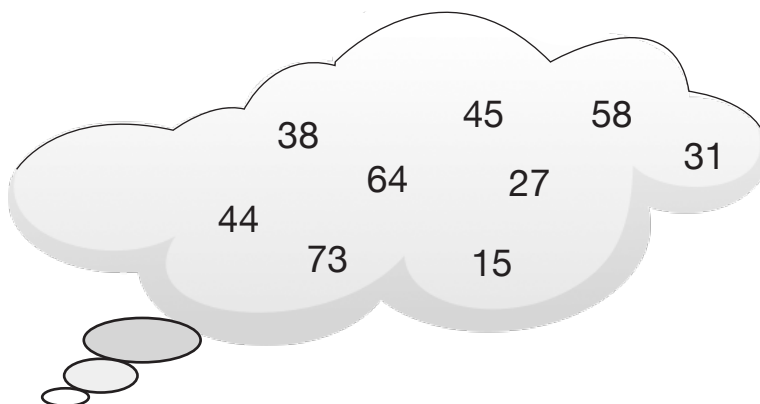


1 mark





10

Circle the **three numbers** whose **total** is **80**.

1 mark

11

Write the **correct sign** in the box (+, -, x, ÷).

a) $73 \square 25 = 98$

b) $48 \square 15 = 33$

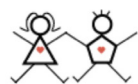
c) $7 \square 9 = 63$

d) $84 \square 12 = 7$



1 mark





12

Complete the **pattern** to make it **correct**.

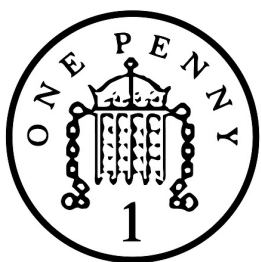
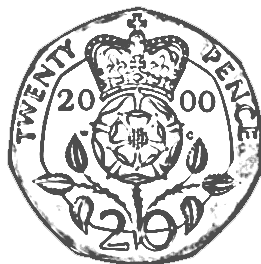
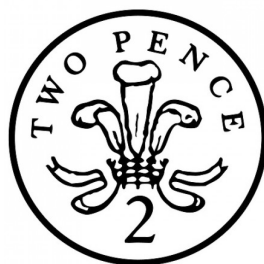
7 , 13 , 19 , 25 , 31 , _____ , _____ , _____



1 mark

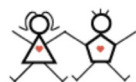
13

Circle the coins you could **use** to make 86p.



1 mark





14

George has grown two roses in his garden.

One rose **grew to 37cm**.

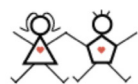
His **tallest one** was 83cm **high**.

How much taller was the **highest rose** than the **first one**?

 cm

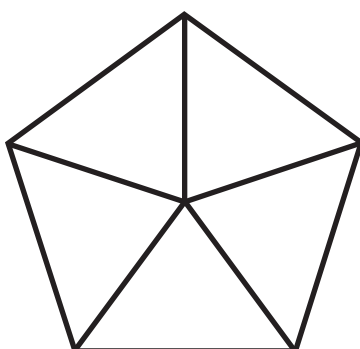
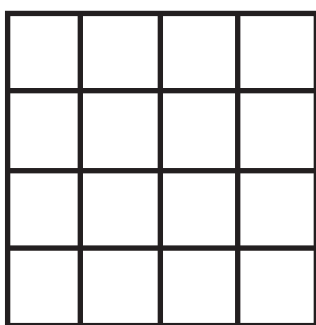
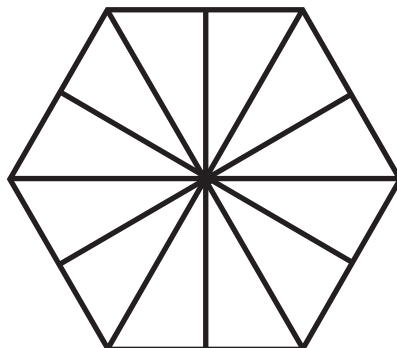
1 mark





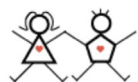
15

Shade half part of each shape.

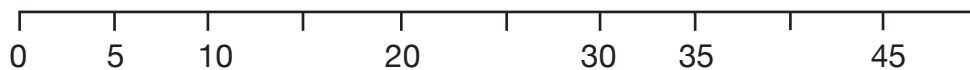


1 mark



**16**

Counting by 5s complete the following number lines.



1 mark

17

Round each of the numbers to the nearest 10.

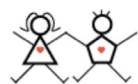
$$88 = \underline{\hspace{2cm}}$$

$$32 = \underline{\hspace{2cm}}$$



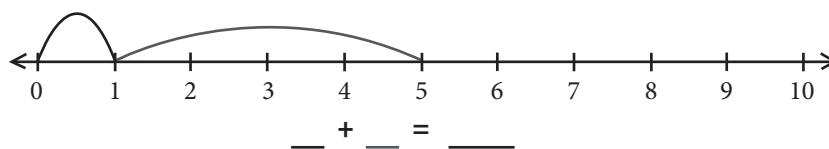
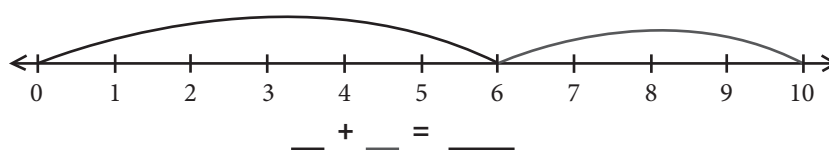
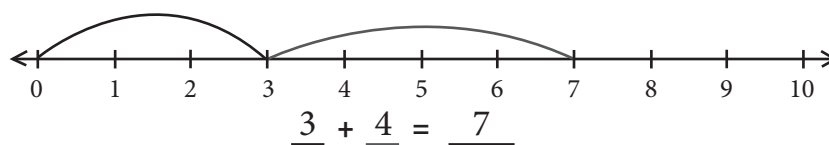
1 mark



**18**

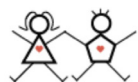
Complete the **addition** by **looking** at the **numbers marked** on the **number line**.

The first one is done for you.



2 marks

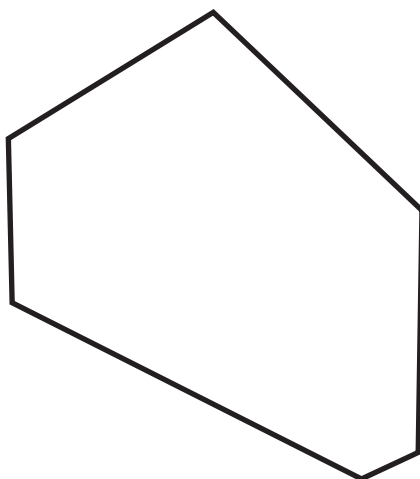




19

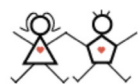
Measure the **longest side** of the given hexagon.

Use a ruler.



1 mark





20

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

32 45 57 84 6 15 46



1 mark

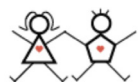
21

What is 8 more than 37?



1 mark



**22**Write these **words** in **numbers**.

Forty - seven

Fifty - eight

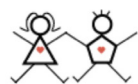


1 mark

23**Davis had 28 marbles.**Later after playing with friends, **he lost a few** marbles.Now he is **left with 12 marbles**.**How many** marbles did he **lose**?

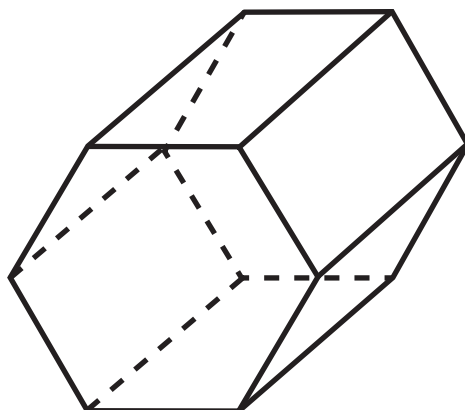
1 mark





24

Look at the given hexagonal prism.



Count and **write** the number of **faces** of this prism.

faces: _____



1 mark

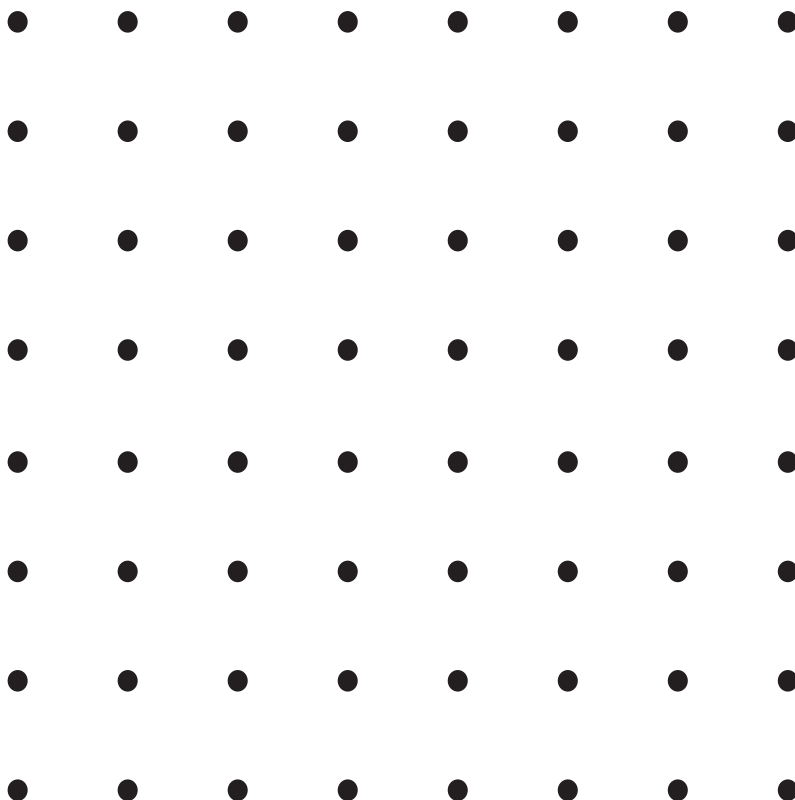




25

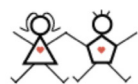
Draw a **Rectangle** with **length as 5** and **width as 7**.

Use the dots to help you.



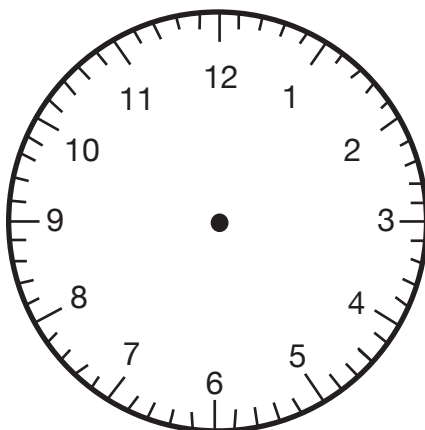
1 mark





26

Draw **quarter past 4** on the clock given below.



1 mark

27

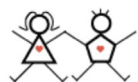
Draw a line **15cm long** and **divide** it into **thirds**.

Each **third** will be _____ cm.



1 mark





28

Fill in the missing values to make the calculation correct.

$$3 \times 5 + 4 = \boxed{}$$

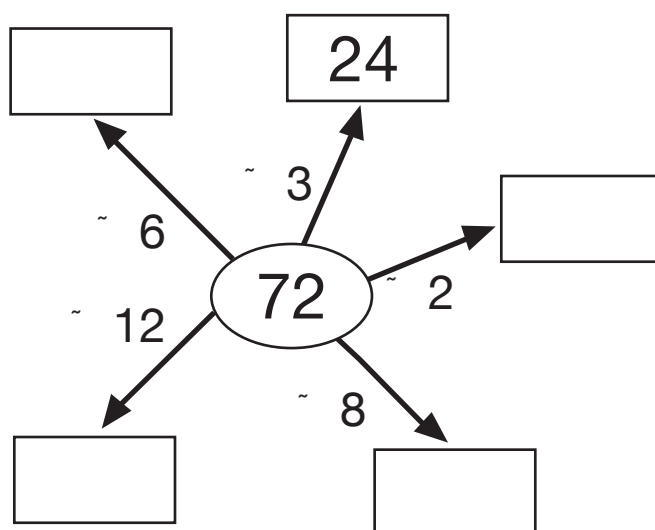
$$\boxed{} \times 5 + 8 = 18$$



1 mark

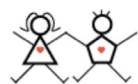
29

Fill in the missing digits to make the calculation correct.



2 marks





30

Match each pair as per the correct calculation.

<div>14 - 6</div>	<div>1 quarter of 40</div>
<div>2 x 5</div>	<div>1 third of 24</div>
<div>1 half of 8</div>	<div>1 + 3</div>

A line connects the box containing '14 - 6' to the box containing '1 third of 24'.



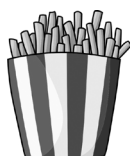
1 mark

31

Tick the items we can pay for exactly by using only 10p coins.



10p



15p



70p



78p

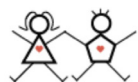


90p



1 mark





32

I am thinking of a number.

It has **4 in the units** column and **5 in the tens** column.

What is this number?



1 mark

