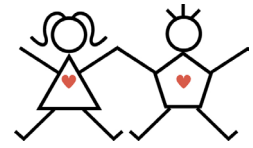


Predicted national curriculum tests

Key stage 1



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Mathematics

SET 8 - 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:



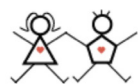
Go to the next page.



Do not turn the page until told to do so.



Stop working and await instructions.



1

25 33 16 94 55 89

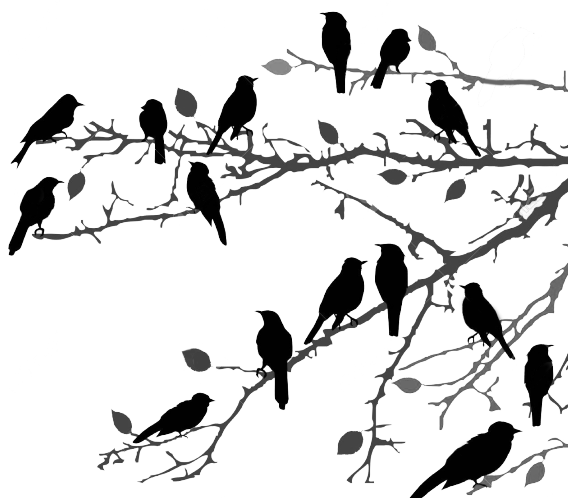


1 mark





2

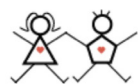


birds



1 mark





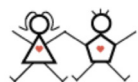
3

km/hr



1 mark



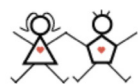


4

p.m.

1 mark





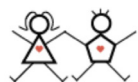
5

$$(4 \times 6) - (7 \times 2) = \underline{\hspace{2cm}}$$



1 mark





6

Sam can fill two boxes with 8 cupcakes by distributing them equally in each box. How **many** cupcakes can be filled altogether in six boxes?

cupcakes



1 mark

7

Fill in the box to complete the sentence.

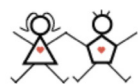
$$5 \times \boxed{} = 60 \div 2$$

$$15 \div \boxed{} = 1 + 4$$



1 mark



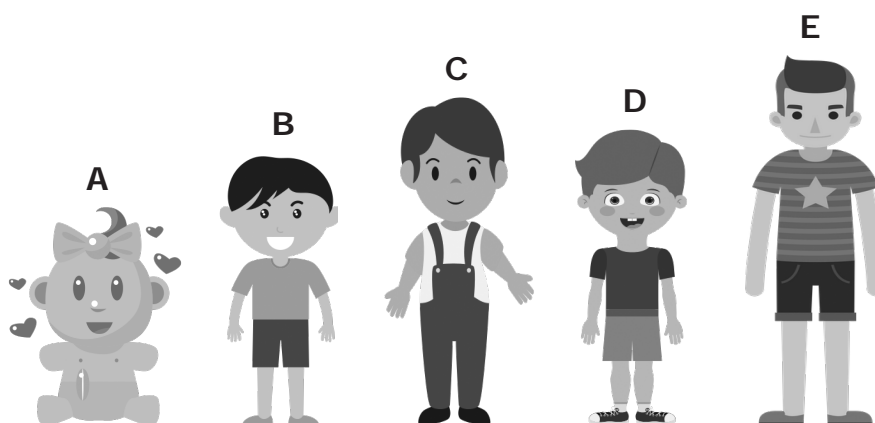


8

Find the **sum** of all **odd** numbers greater than 23 and less than 35.

1 mark

9

Arrange the boys from **tallest** to **shortest**.

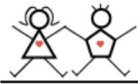
tallest

shortest



1 mark





10

I have a number. I add 7 to that number and end up with 33.

What is the number I had at the **beginning**?



1 mark

11

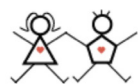
Miley has four pairs of socks. She added three more pairs of socks. How many **individual** socks does she have?

socks



1 mark



**12**Count **back** in steps of 15 to fill in the missing numbers.

120		90				30	
-----	--	----	--	--	--	----	--



1 mark

13

Write three more and one less of each number below.

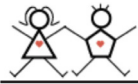
	53	
--	-----------	--

	22	
--	-----------	--



1 mark



**14**

Divide these two- digit numbers into tens and units. One has been done for you.

a) $76 = \boxed{70} + \boxed{6}$

b) $53 = \boxed{} + \boxed{}$

c) $10 = \boxed{} + \boxed{}$

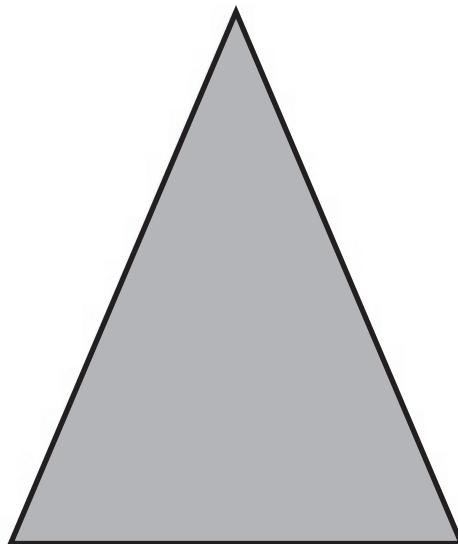
d) $16 = \boxed{} + \boxed{}$



1 mark

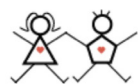
15

Mark the two **equal** sides of the triangle below.



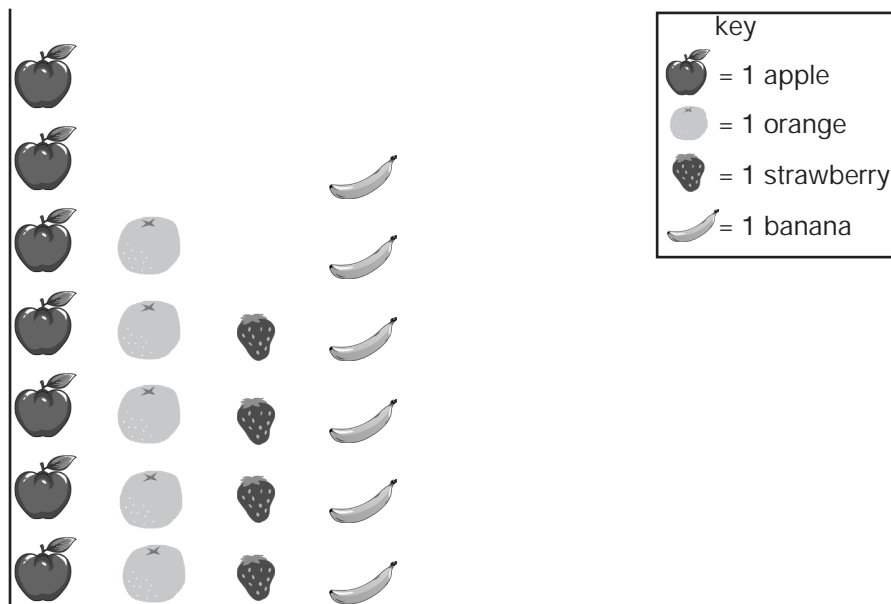
1 mark





16

This **pictogram** shows the fruits growing in Harry's garden in 1 month.



a) How many apples are there in Harry's garden?

b) There are more bananas than strawberry. How many **more**?



2 marks





17

One bus passes through a bus stop every two hours.

How many buses pass through the same bus stop **in one day**?



buses

1 mark

18

Alfie, Leo, and Ben have six toy cars each.

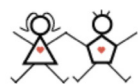
How many toy cars do they have **altogether**?



Toy cars

1 mark

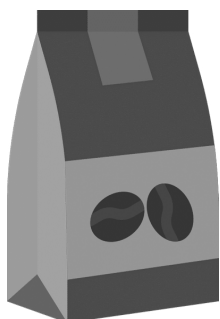




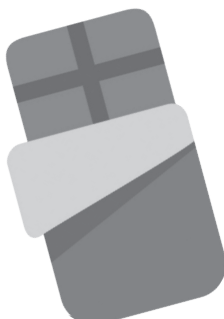
19

Theo buys three packets of cookies and two chocolate bars.

How much does he spend altogether?



35p



12p

p

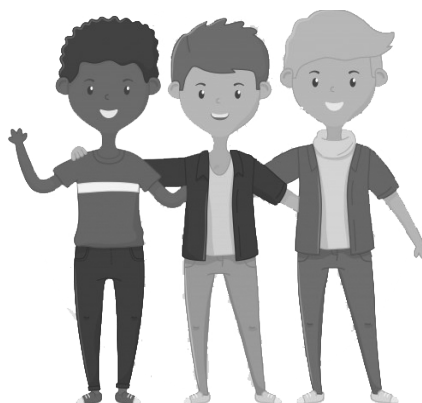


2 marks

20

Harry has 69 p. He has to divide the money between Alice, Bob, and Chris.

How much money **each** will get?

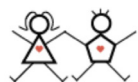


Pence



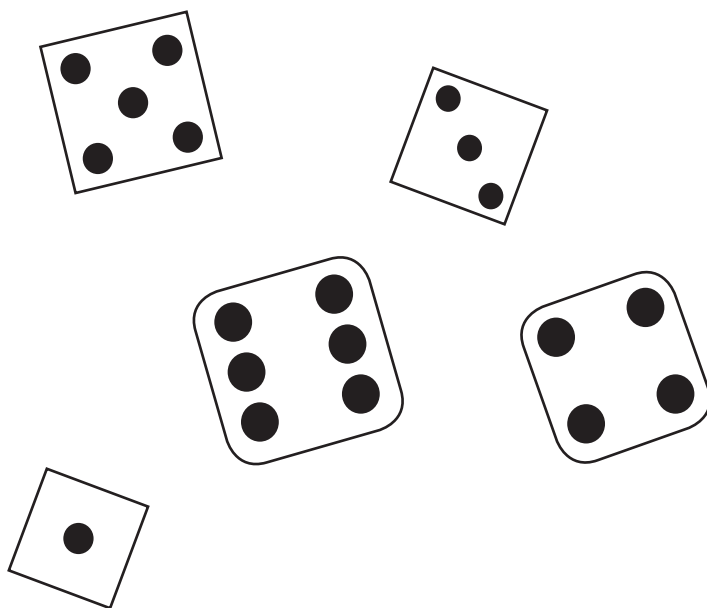
1 mark





21

Circle the three dice that **add** up to 15.



1 mark

22

Use the numbers 16, 24 and 8 to **create** the addition and subtraction number sentences.

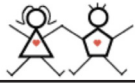
a) $\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

b) $\underline{\hspace{2cm}} - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$



1 mark





23

The **product** of the two numbers is 72. If one number is 8. Find the other number.

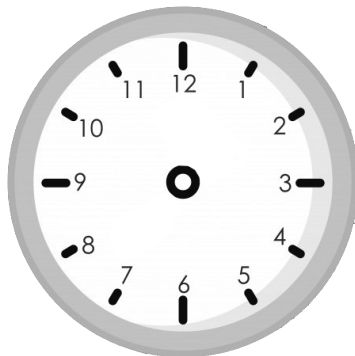


1 mark

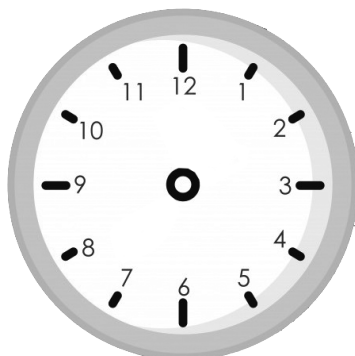
24

Draw the hands on these clocks.

a) Half past 6

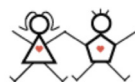


b) Quarter to 5



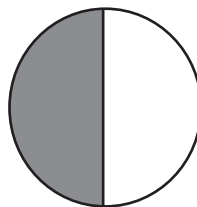
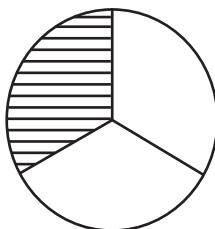
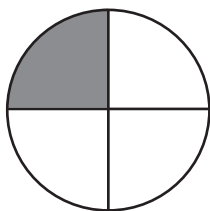
1 mark





25

Tick the shape that has exactly $\frac{2}{3}$ shaded.



1 mark

26

Look at the weights of flour and sugar. The weight of sugar is less than the weight of flour.

How **much less**?



2 kg



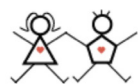
700 g

grams



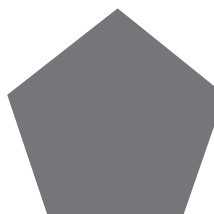
1 mark





27

Draw the line of symmetry of shapes below.



1 mark

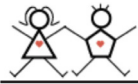
28

Sam has six boxes of cupcakes. Write a number sentence using 'x' and '=' to show that Sam has 36 cupcakes **altogether**.



1 mark



**29**

Hannah is **double** the age of Charlie. Charlie is **double** the age of Leo. Leo is four years old.

What is the age of Hannah?

Show your working

years

2 marks

30

Worker A takes 48 hours to do a job. Worker B takes three days to do the same job.

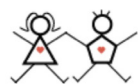
Who is taking the longest time?

How **much longer**?

hours

1 mark





31

How much money is there **altogether**?

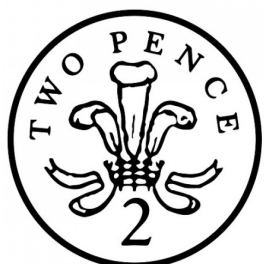
p

+



p

+



p

+



p

+



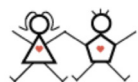
p

=

p

1 mark



**32**

Fill in the box with symbols \times (multiply), $=$ (equals) and \div (division) to complete the sentence.

$$75 \quad \square \quad 5 \quad \square \quad 3 \quad \square \quad 5$$



1 mark

