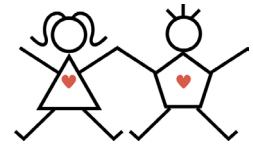


Predicted national curriculum tests

Key stage 1



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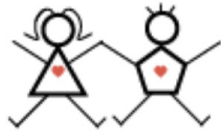
Mathematics

SET 9 - Paper 2: reasoning

Full Name	
School	
Date	

Total Marks

--



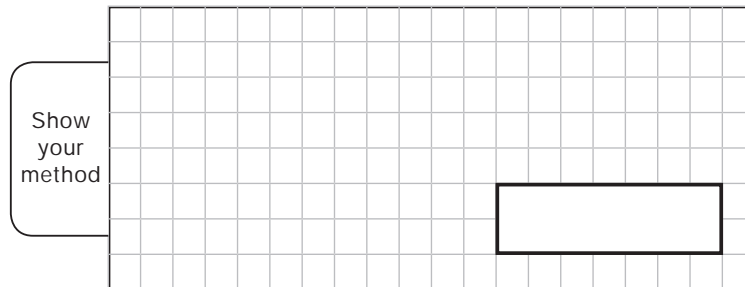
Pi Academy

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:



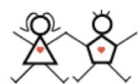
Go to the next page.



Do not turn the page until told to do so.



Stop working and await instructions.



1

24 , 26 , 28 , 30 , _____ , _____ , _____ , _____



1 mark





2



1 mark





3

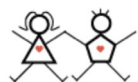


marbles

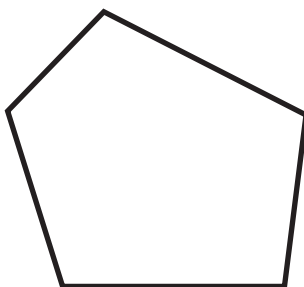
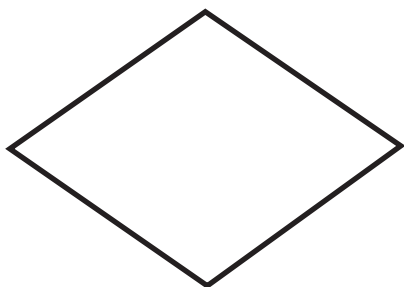
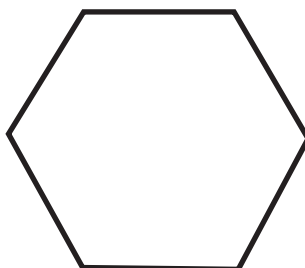
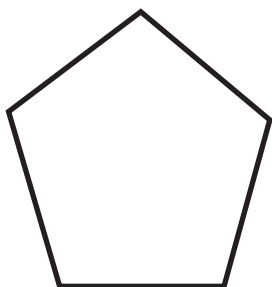


1 mark



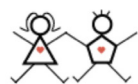


4



1 mark





5

>, < or =

a) 4×7 $15 + 13$

b) $45 - 32$ 5×2


1 mark



6

Sarah is **elder** than Alice by 9 years. If Alice is 15 years old.

What is the age of Sarah?

 years
1 mark

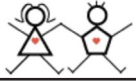
7

Fill in the box to complete the solution.

a) $4 \times$ $= 15 + 17$

b) $6 \times$ $= 21 + 15$

1 mark



8

Leo has some strawberries.

He gives 19 strawberries to Joseph. Now he is left with 35 strawberries. How many strawberries he has at the **start**?



strawberries



1 mark





9

Here are **three** numbers.**35 91 56**Use these numbers to **fill** the boxes.

$$\square - \square = \square$$

$$\square + \square = \square$$

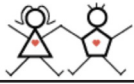
$$\square - \square = \square$$

$$\square + \square = \square$$



1 mark

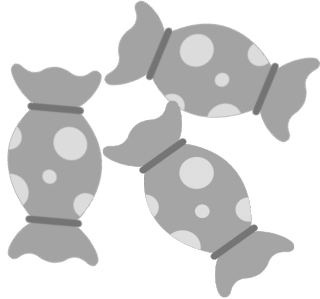




10

Jane has 33 candies. One pack has 3 candies.

How many **packs** of candies does she have?



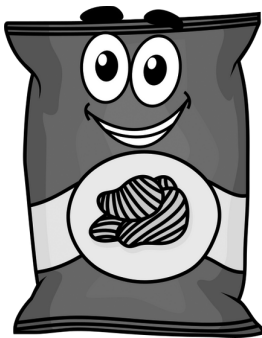
Packs of candies



1 mark

11

Tony buys two packets of crisp each of 50 p and two energy bars for 30 p. How **much** does he spend altogether?



50p



30p

pence



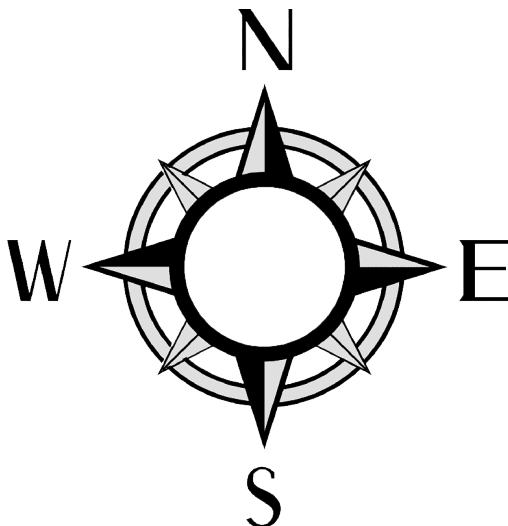
1 mark





12

Tim is facing East (E). He turns anti-clockwise and now is facing West (W).



Complete the sentence to describe the turn than Tim made.

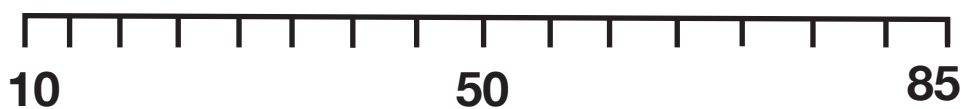
Tim turned anti-clockwise through right angles.

1 mark

13

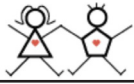
Here is a part of the number line.

Indicate by an arrow where is **65**.



1 mark





14

Write the symbols – (subtract), + (add) and = (equals) to complete the sentence below.

$$99 \quad \square \quad 11 \quad \square \quad 3 \quad \square \quad 3$$

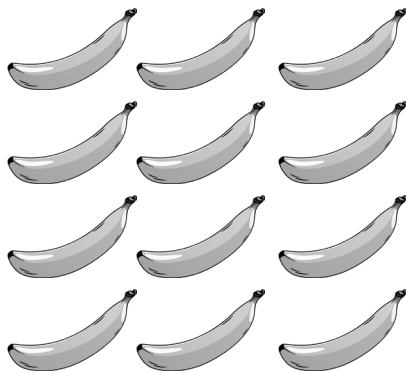


1 mark

15

John has 4 dozens of banana. John gives 23 bananas to his friend.

How many bananas does he have **left** with? (key: 1 dozen = 12)



banana



1 mark





16

The salt weighs 42 grams.

The salt and the sugar together weigh 76 grams.

How much does the **sugar weigh**?



1 mark

17

Write the next **four** numbers in the sequences below.

a) 20, 25, 30, _____, _____, _____, _____

b) 9, 18, 27, 36, _____, _____, _____, _____

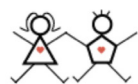
c) 66, 70, 74, _____, _____, _____, _____

d) 2, 4, 6, 8, _____, _____, _____, _____



2 marks





18

Put the numbers in order when counted forward in the **multiple** of 7s.

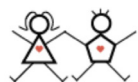
28	49	42
56	63	35

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



1 mark





19

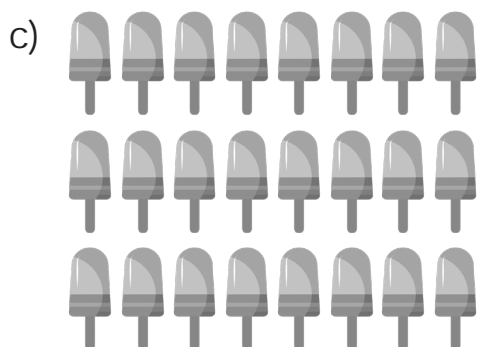
Divide the number of ice – creams in each picture by 4.



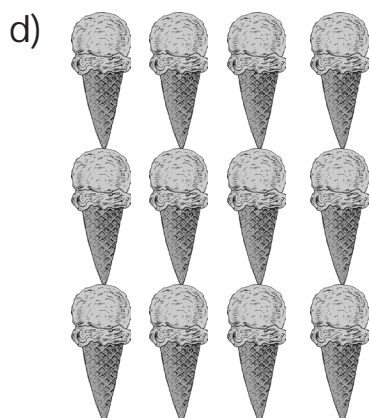
_____ ice creams



_____ ice creams



_____ ice creams

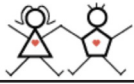


_____ ice creams



2 marks





20

Circle the number on the list that has the **lowest** value.

22 66 93 13 44 23 16



1 mark

21

I have a number. I multiply 12 to that number and end up with 96. What is the number I had at the **beginning**?



1 mark





22

Adam has three pairs of shoes. He added three new pairs of shoes. How many **individual** shoes does Adam have?



shoes

2 marks

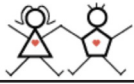
23

Count back in **multiple of 3s** to fill in the missing numbers.

24			15			6	
----	--	--	----	--	--	---	--

1 mark





24

Tick the two sentences that are correct.

A circle has no sides.

A circle has equal sides.

A circle is curved.

A circle has a right angle.



1 mark

25

Tim and Ben have 66 pencils and 52 pens. They share the pencils and pens equally.

How many pencils and pens do they **each get**?



pencils

pens



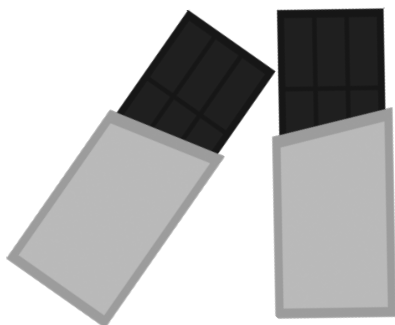
1 mark





26

Miss Clair needs 50 chocolates for her class. Each box contains 2 chocolates. How many **boxes** of chocolates does she need altogether?



boxes



1 mark

27

Anna has 27 pens altogether. She has 11 pens in her bag. How many pens does she have in her **hand**?

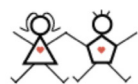


pens



1 mark



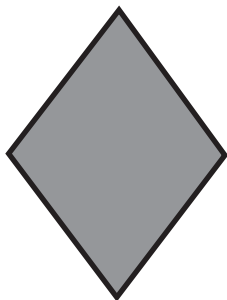


28

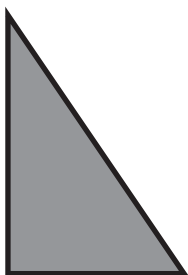
Draw the lines to **match** the shapes to their names.



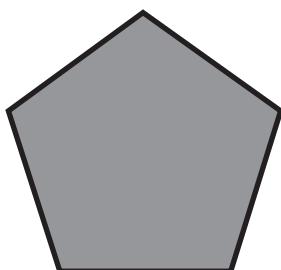
Hexagon



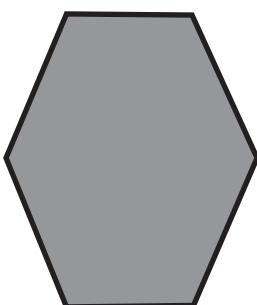
Rectangle



Pentagon



Rhombus

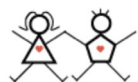


Triangle



1 mark





29

Complete the table.

words	digits
twenty - six	
	49
sixty - seven	



1 mark

30

Use a ruler to **measure** the length of the House.



1 mark

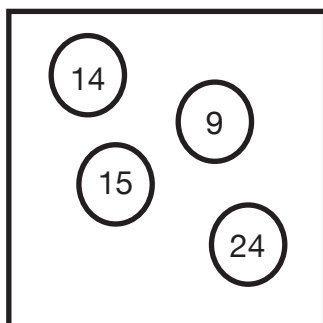




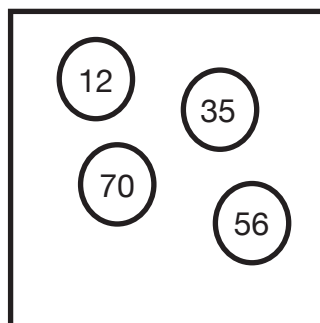
31

Two of the numbers are in **wrong box**.

Draw cross (x) on each of them.



Multiples of 3



Multiples of 7



1 mark

32

Circle the **longest** time.

120 seconds

3 minutes

200 seconds

5 minutes



1 mark

