

**Ma**

YEAR  
**3**

LEVELS  
**2-3**

TEST  
**3a**

# Mathematics

## Test 3a



**Name**

**Date**

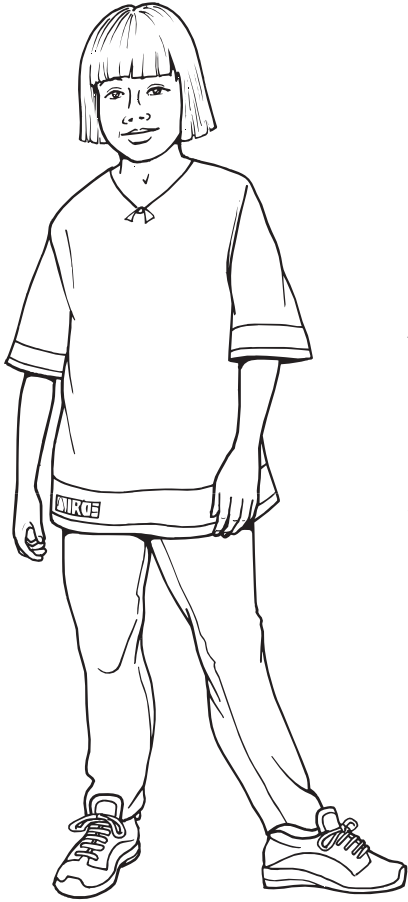
Total marks



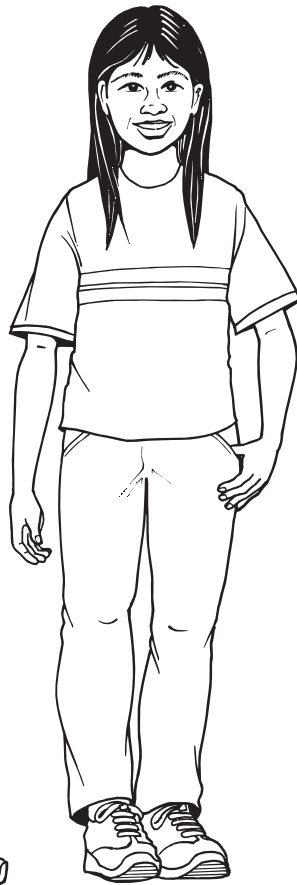
Guarding standards

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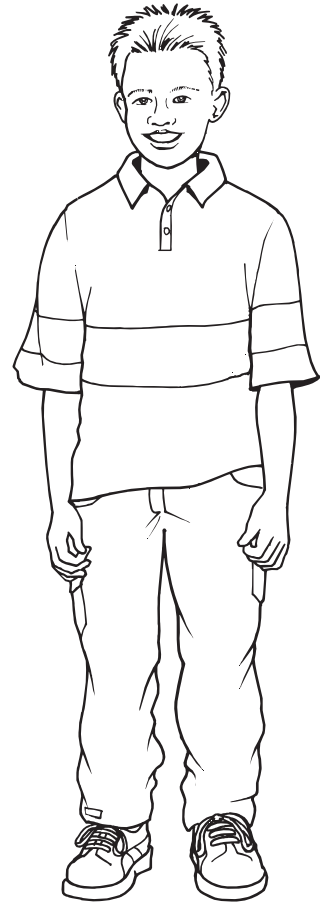
<http://www.satspapers.co.uk>



Katie



Mina



Ben

## Getting started



This shows you where you need to put each answer.

Some questions have an answer box like this:



Show how  
you work  
it out.

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

---

## Practice question

Calculate **21 + 14**



1

Calculate  $42 + 16$



--



1

2

One of these numbers does **not** belong in this set.

Cross (x) out the number that does **not** belong.



odd numbers
15
21
9
12
17

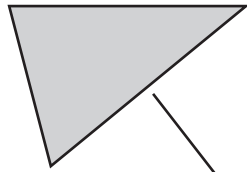


2

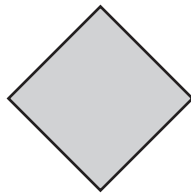
3

Match each shape to its name.

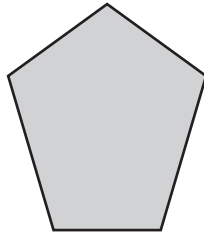
One is done for you.



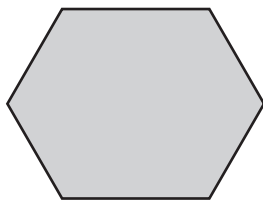
hexagon



square



triangle

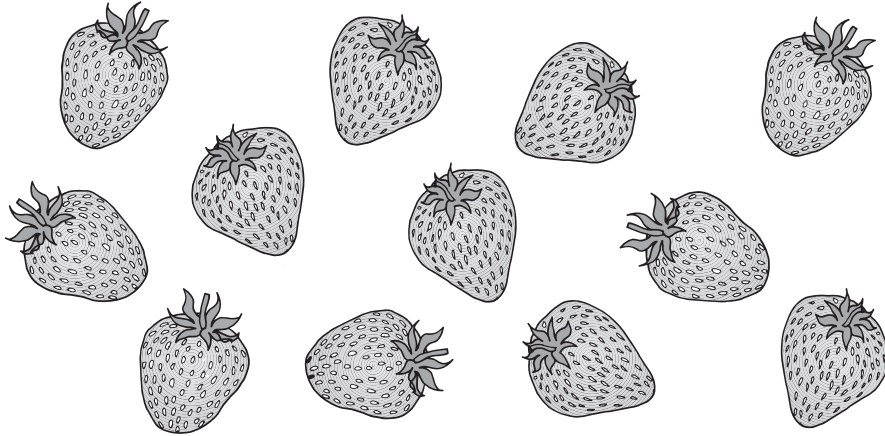


pentagon

4

Some children share 12 strawberries.

Each child gets 3 strawberries.



How many children are there?



children

5

Ben wants to buy a packet of biscuits.

He gives the shopkeeper **65p**

The shopkeeper says,



***'You need 25p more to buy the biscuits!'***

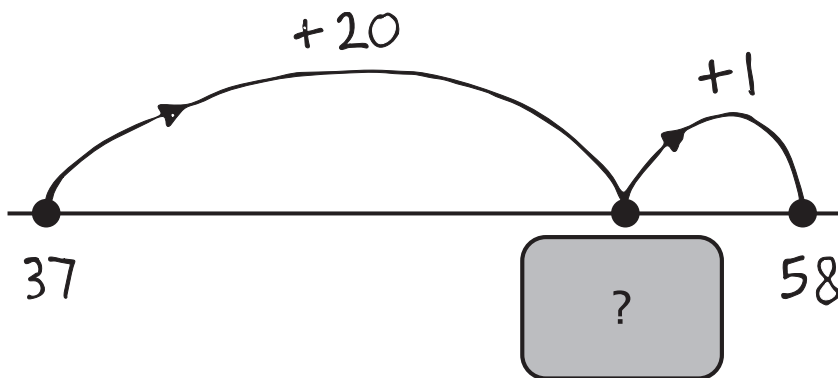
How much do the biscuits cost?



p

**6**Calculate  $47 - 25$ 

6

**7**Katie drew a number line to help her find the answer to  $37 + 21$ 

What number is hidden under the card?



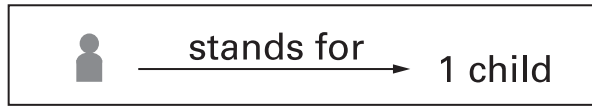
7



8

Some children in Class 4 are in a club.

This table shows the club they are in.



club	number of children
recorder	
chess	
computer	

How many **more** children go to recorder than chess?



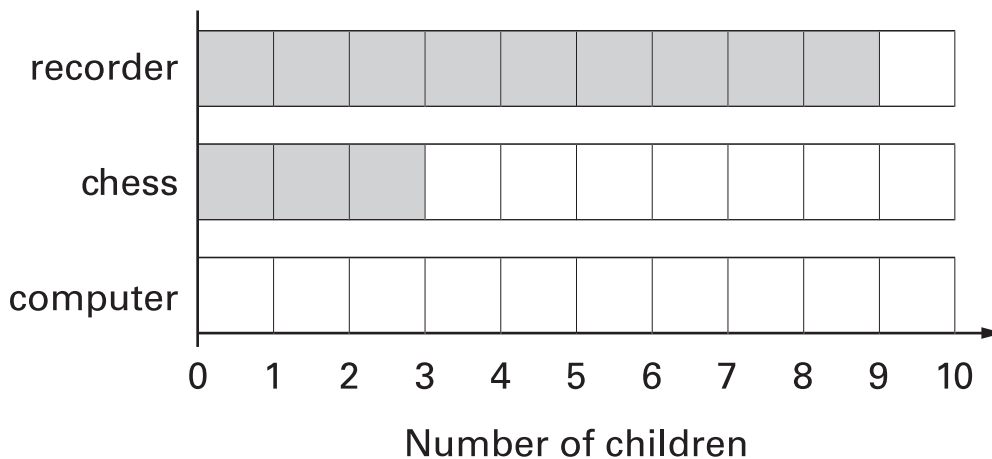
children

8a

This graph should show the same **data** as the table.

Shade in the correct number of blocks for **computer club**.

The club we are in



8b



9

Two of these numbers **round to 80**

Circle the **two** numbers.



74

82

77

85

9

10

Write the missing numbers in the **two** empty boxes.

is 10 less than



49



59



33



10

10a

10b

**11**

Write each word in the correct box.

**faces****edges****vertices**

A cube has

**6****8****12****12**

Write in the missing digits.



3	
---	--

+

	5
--	---

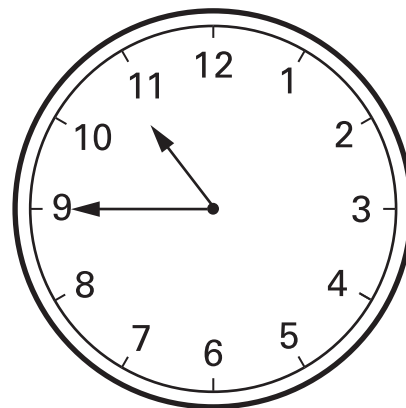
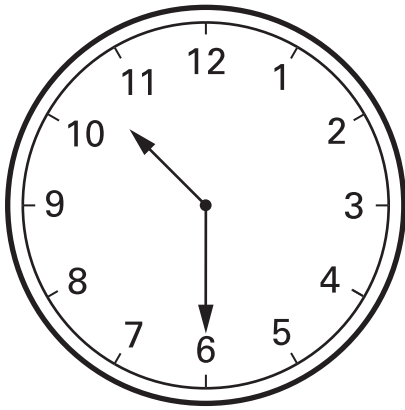
=

1	0	0
---	---	---

13

Two clocks show the same time.

Tick (✓) them.



14

Mina and Ben play a game.

Mina scores **70** points.

Ben scores **42** points.



How many **more** points does Mina score than Ben?



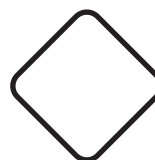
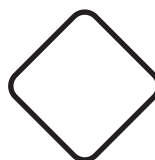
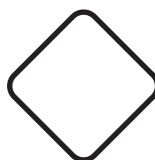
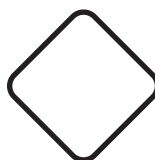
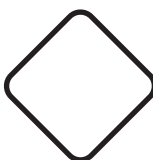
points



14

15

Write these numbers in order.



smallest

largest



15

16

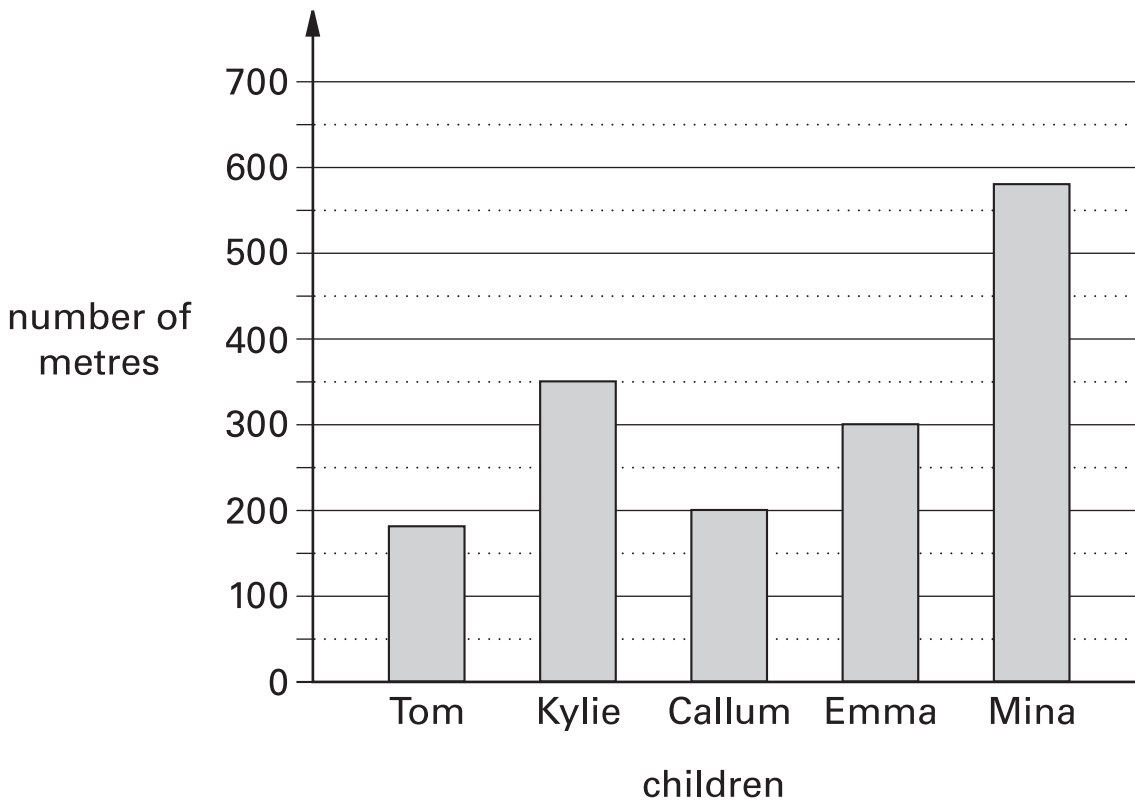
Calculate  $13 \times 3$



16

17

This graph shows the distance some children walk to school.



Who walks **between** 300 and 400 metres to school?



.....

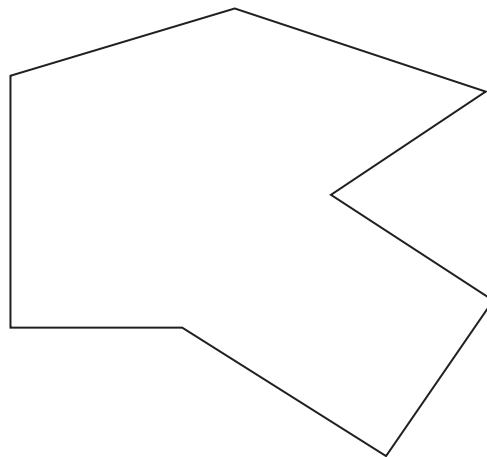
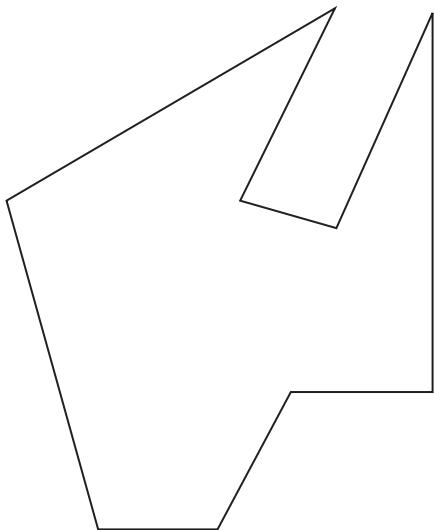
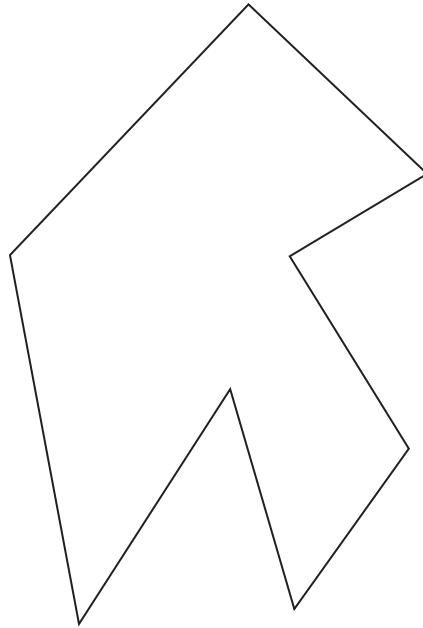
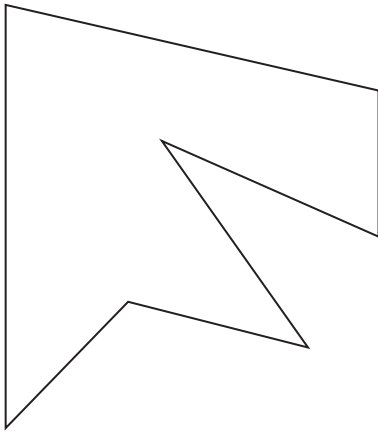
17

18

Here are some shapes.

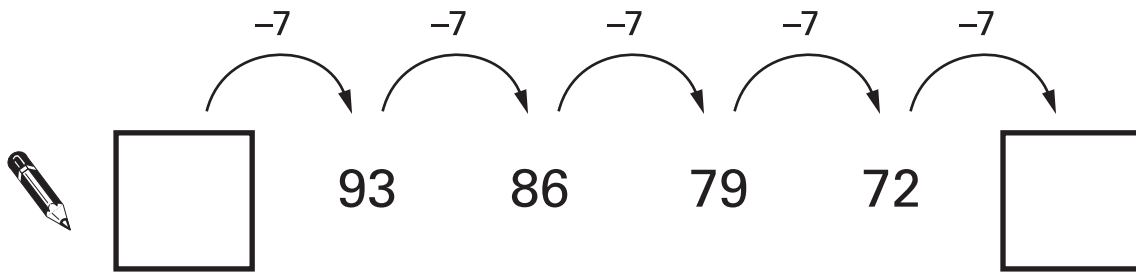
Two of the shapes are **octagons**.

Put a tick (✓) on them.



19

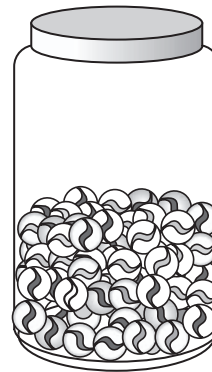
Write the two missing numbers in this sequence.



20

Mina has **76** marbles in a jar.

The jar is about **half full**.



Estimate how many marbles Mina will have when the jar is **full**.

Circle the best estimate.



75

100

125

150

175

21

Measure this line.

Use a ruler.



cm
----



21

22

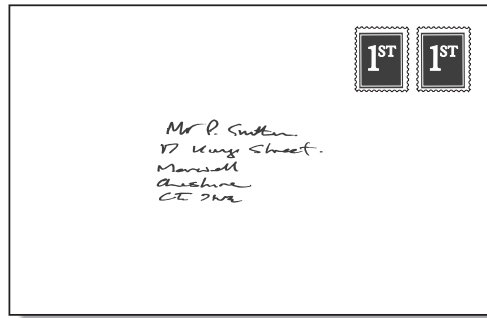
Complete the table.

shape	number of <b>right</b> angles
	 .....
	 .....

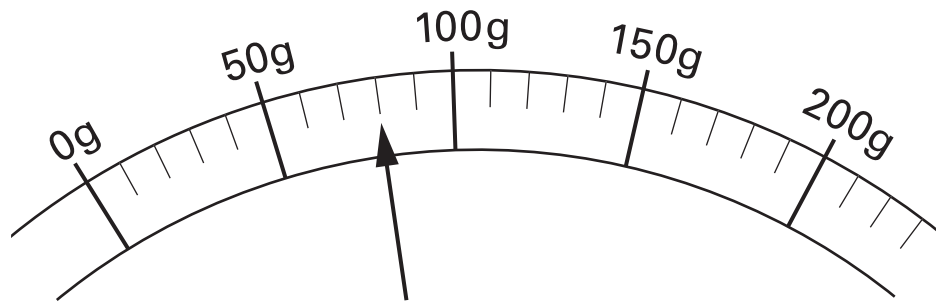


22





Here is a scale which shows the weight of a letter.



How much does the letter weigh?



grams

24

The letter **D** has a line of symmetry.

Tick (✓) **all** the other letters that have a line of symmetry.

**D**

**M**

**E**

**S**

**N**



25

Katie has these digit cards.

She makes different **2-digit** numbers with them.

5

7

2

Write **all** the **2-digit** numbers Katie can make with them.







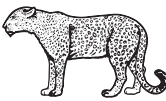
24

25 i

25 ii

60 children visit the zoo.

They each vote for their favourite big cat.

favourite big cat	number of children
cheetah 	7
lion 	22
tiger 	13
panther 	
leopard 	10
<b>total</b>	<b>60</b>



Complete the table.

Now look at each sentence below.

Put a tick (✓) if it is **true**.

Put a cross (✗) if it is **not true**.



Nine more children voted for the lion than for the leopard.

The lion was more popular than the tiger.

$\frac{1}{4}$  of the children voted for the tiger.


26a

26b

27

Ben saved **twenty-four** 10p coins and **ten** 20p coins.

How much money has Ben saved?

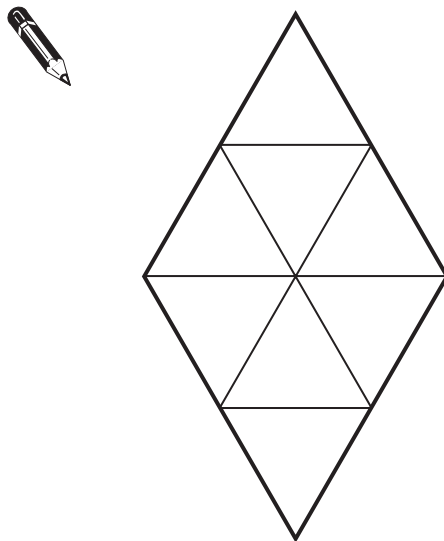
 Show how you work it out. 

 £

27i  
27ii

28

Shade  $\frac{1}{4}$  of this shape.



28

**29**

Write in the missing number.



$$120 + \boxed{\phantom{000}} + 70 = 500$$

29

**30**Circle the **two** fractions that have the same value. $\frac{2}{10}$  $\frac{1}{3}$  $\frac{1}{2}$  $\frac{5}{10}$  $\frac{1}{4}$ 

30

End of test

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