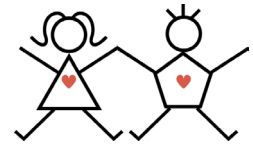


Predicted national curriculum tests

Key stage 1



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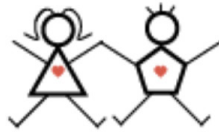
Mathematics

SET 3 - 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:



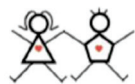
Go to the next page.



Do not turn the page until told to do so.



Stop working and await instructions.

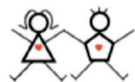


1

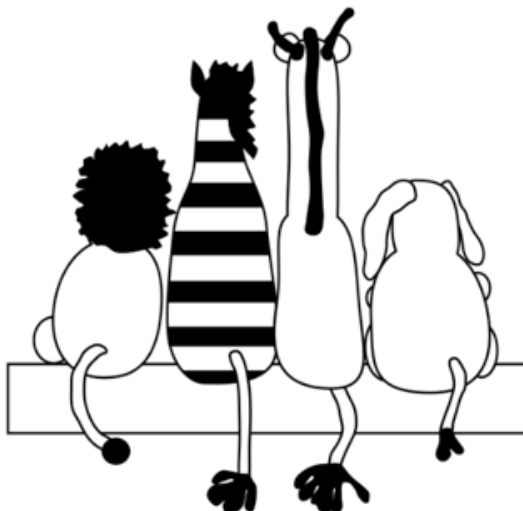


1 mark





2

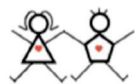


bananas

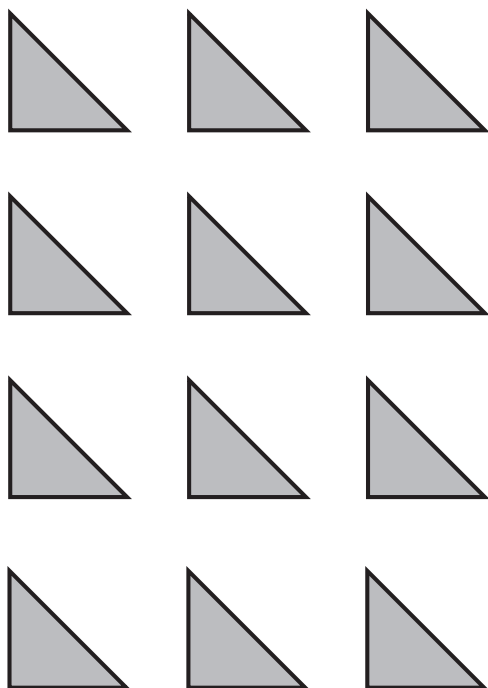


1 mark





3



$$3 - 4$$

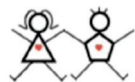
$$3 + 4$$

$$3 \times 4$$



1 mark





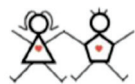
4

£



1 mark





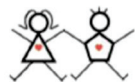
5

$$36 = \square - 4$$



1 mark

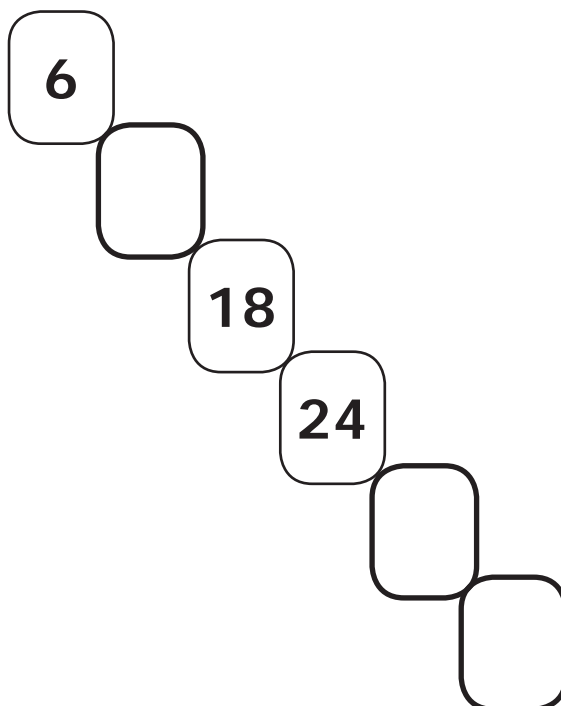


**6****Complete** the table.

| Words | Digits |
|-------------|--------|
| Forty-seven | 47 |
| | 29 |
| Seventy-six | |

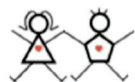


1 mark

7Write the **three missing numbers** in this pattern.

1 mark





8

Put the five buildings **in order** from **tallest** to **shortest**.

One is done for you



Tallest

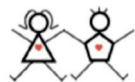


Shortest



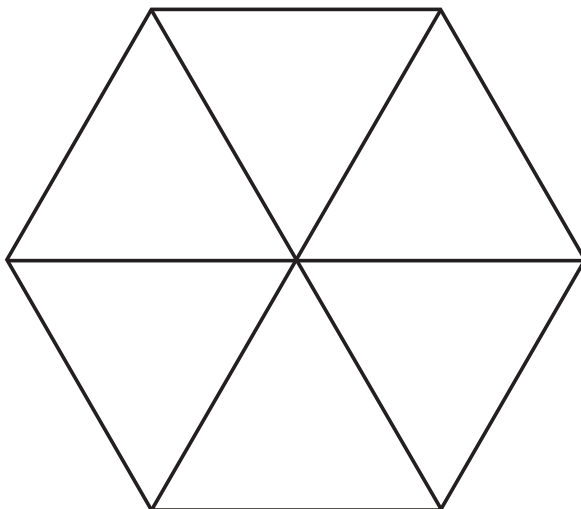
1 mark





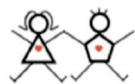
9

Shade $\frac{2}{3}$ of this shape.



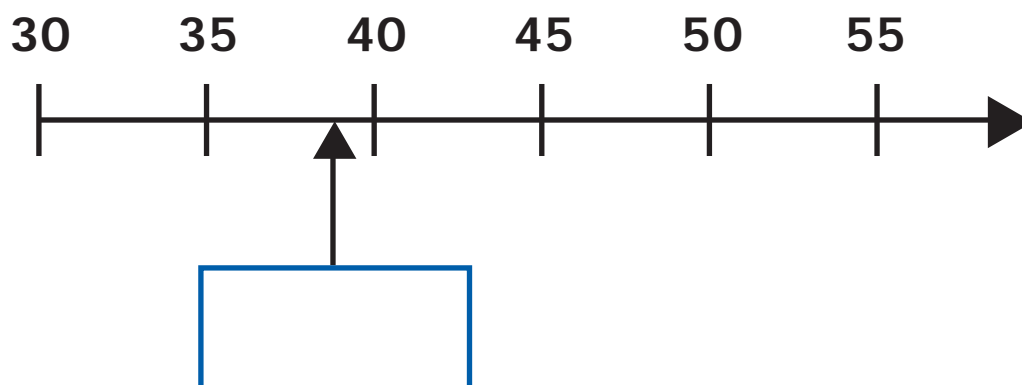
1 mark





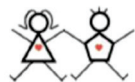
10

Write the **correct number** in the box



1 mark



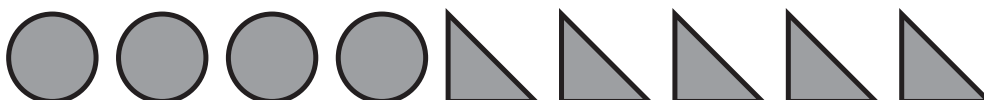


11

Kiara makes **34** using different shapes for **tens** and **ones**.



Kiara makes a **new number**.

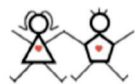


What is Kiara's **new number**?

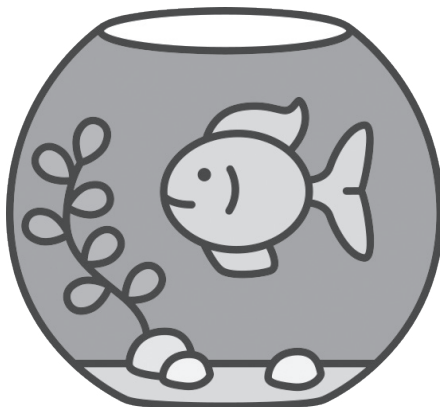


1 mark



**12**

Sam bought a fish which was **9 centimetres** tall. He **kept** that fish in a bowl of water.



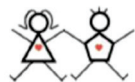
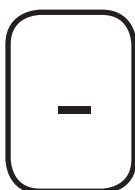
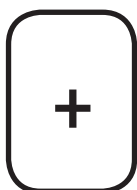
In a few days, the fish **grows by** 5 centimeters.

What is the **total length** of the fish now?



1 mark



**13**Here are **two cards**.**Choose** a card to make the **calculation correct**.

One is done for you.

$$5 \quad \boxed{+} \quad 3 \quad = \quad 8$$

$$25 \quad \boxed{} \quad 3 \quad = \quad 22$$

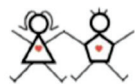
$$35 \quad \boxed{} \quad 3 \quad = \quad 38$$

$$18 \quad \boxed{} \quad 3 \quad = \quad 21$$



1 mark












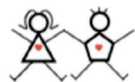
14

Match each coin to the **correct** box.

One has been done for you.



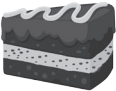







| Less than  | | More than  |
|---|---|---|
| |  | |
| |  | |
| |  | |
| |  | |
| |  | |


1 mark





15


Tom makes a **tally chart** of the sweets he has in the box.

| Sweets in my box | Tally |
|---|--|
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

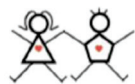
Tick one box below which **shows all** of Tom's sweets in that box.








1 mark



16

Circle the **longest** time.

80 Minutes

45 Minutes

90 Minutes

1 hour



1 mark

17

Circle the **two** numbers that are **prime** numbers.

45

31

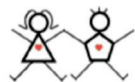
17

96

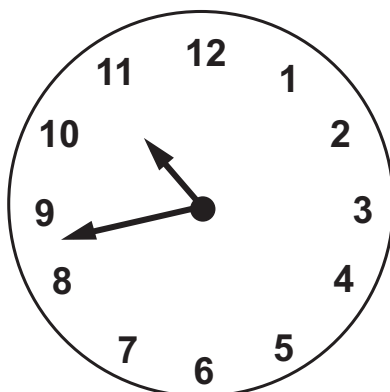


1 mark





18



What time does the clock show?

Tick the correct box.

half past 12

seventeen to 11

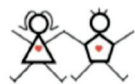
half past 10

quarter to 12



1 mark





19

28 chocolates are **shared equally** among 4 friends.

How many chocolates does **each friend** get?

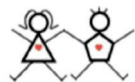


chocolates

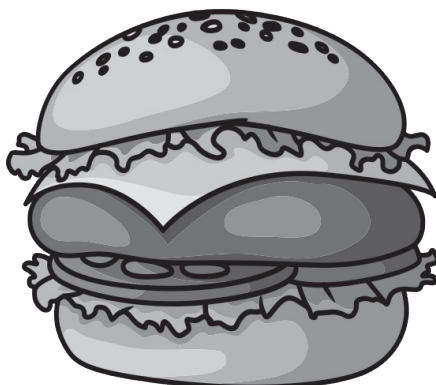


1 mark





20

Sara **eats a third** of this sandwich.Which **fraction** shows the amount **she ate**?

Circle it.

$$\frac{3}{4}$$

$$\frac{1}{3}$$

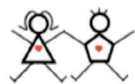
$$\frac{1}{4}$$

$$\frac{2}{3}$$

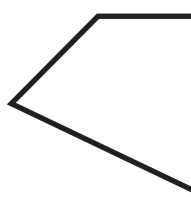
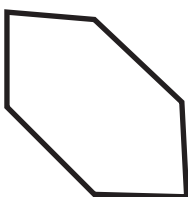
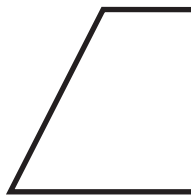
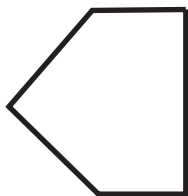


1 mark





21

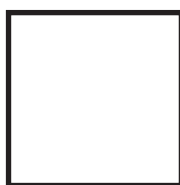
Tick the **hexagon**.

1 mark

22

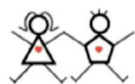
Write the **missing number** to make this sentence correct.

$$8 \times 4 \div \square = 16$$



1 mark

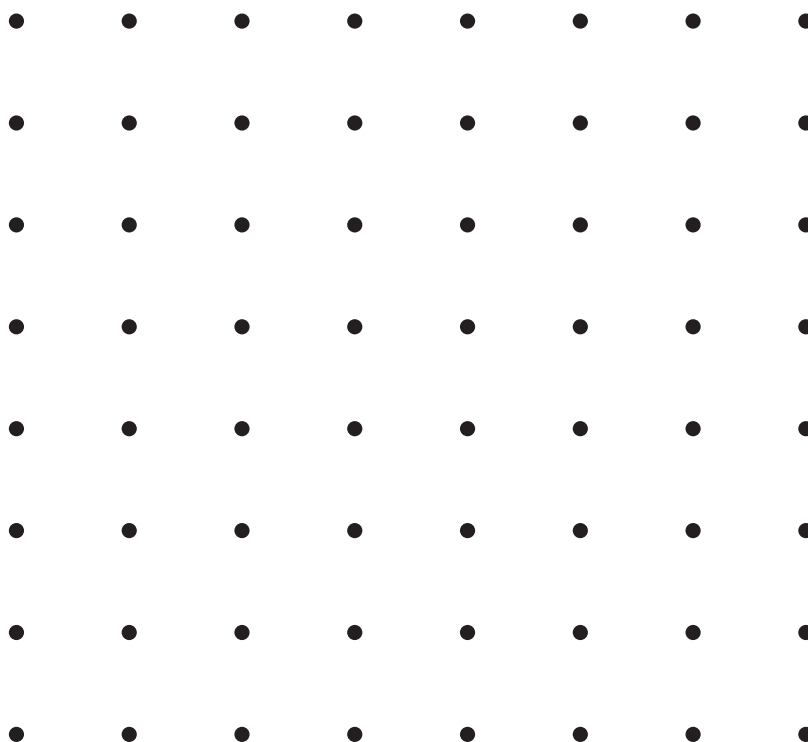


**23**

Draw lines to form a **rectangle** of length 6 and width of 4.

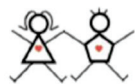
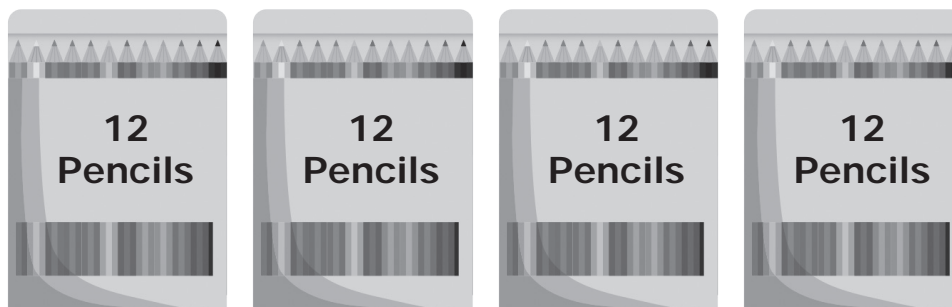
Also, **divide** the rectangle into **4 equal** parts.

Use the dots to help you.



1 mark



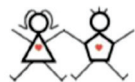
**24**Ben **has 4 box** of pencils.

Write a number sentence using **X** and **=** to show
that Ben has **48** pencils altogether.



1 mark





25

The following chart **shows** the number of cards three children have.

| | |
|-------|--|
| Aimee |  |
| Tom |  |
| Ben |  |

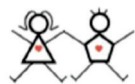
Aimee has **more** stickers than Ben.

How **many more**?



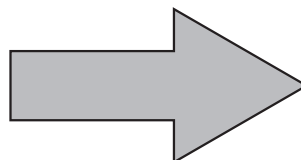
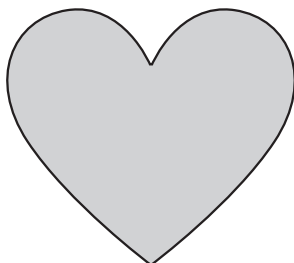
1 mark





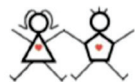
26

Draw the **lines of symmetry** in following shapes.



1 mark





27

There were **18 birds sitting** on a branch of a tree.

11 birds **fly away**.



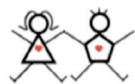
How many **birds are left**?

birds



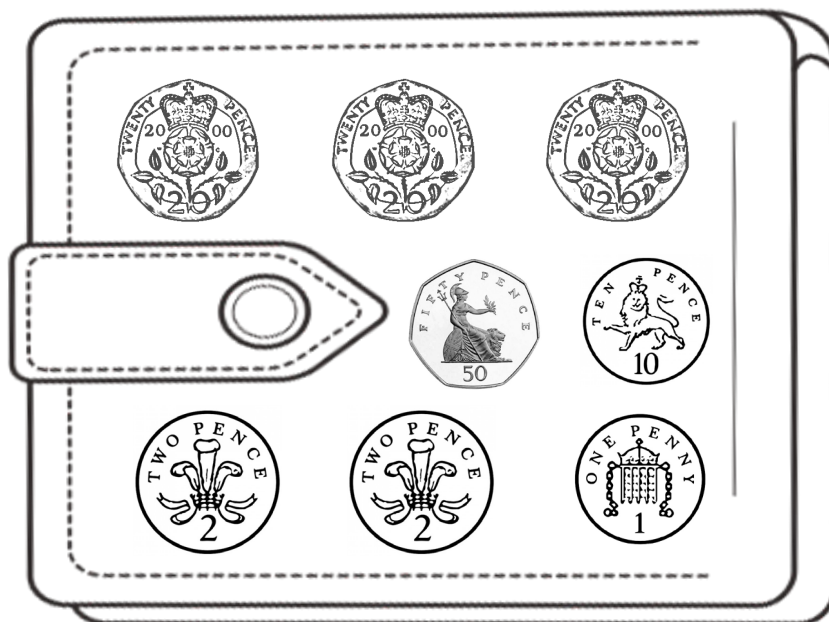
1 mark





28

Mark has **these coins** in his wallet.



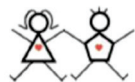
How much **money** does **he** have?

p



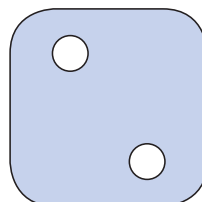
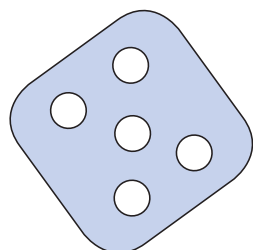
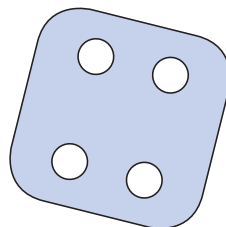
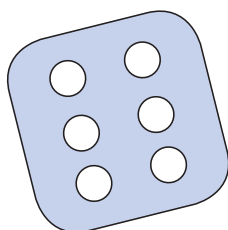
1 mark





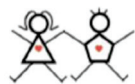
29

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



1 mark





30

A pack **contains** 250g of potato chips.



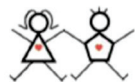
Kiara **eats** 75g of chips and Ben **eats** 35g of chips from the same pack.

How many grams of chips are left in the pack?

Show
your
working

2 marks



**31****Do these** calculations have the **same answer** ?Write **Yes** or **No** next to each box?

One is done for you.

16×4 and 4×16

$16 - 4$ and $4 - 16$

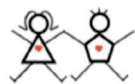
$16 \div 4$ and $4 \div 16$

$16 + 4$ and $4 + 16$



2 marks





32

Put a tick below the **third white** bead and **sixth black** bead.



1 mark

