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| 5 |  |
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| TOTAL |  |



First Name

## Last Name

School

## Instructions

You may use a calculator to answer any questions in this test.

Work as quickly and as carefully as you can.
You have 45 minutes for this test.
If you cannot do one of the questions, 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.

## Follow the instructions for each question carefully.

- This shows where you need to put the answer.

If you need to do working out, you can use any space on a page.

Some questions have an answer box like this:


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


Here are five digit cards.


Use all five digit cards once to make this sum correct.



How many minutes is it until this clock shows 7:30?


Here is another clock.

## $14: 53$

What time will the clock show in 20 minutes?


There are 5 balloons in a packet.
There are 18 packets in a box.


How many balloons are there altogether in a box?


There are 5 balloons in a packet.
Kofi needs 65 balloons.


How many packets does he need?


mirror line

Which one of the designs below is the reflection of the design in the mirror line?

Tick $(\checkmark)$ the correct design.


Here is a chart of how many cans they collect in the first week.


How many cans has Kevin collected?


Alice's target is to collect $\mathbf{3 0}$ cans.

How many more cans does Alice need to reach her target?


Hayley makes a sequence of numbers.
Her rule is
'find half the last number then add 10'

Write in the next two numbers in her sequence.


8 Here is the net of a cube with no top.
The shaded square shows the bottom of the cube.

Draw an extra square to make the net of a cube which does have a top.



Luke has $£ \mathbf{3}$
He wants to buy one fish, peas and two large bags of chips.

How much more money does he need?
 shaded shape into a square and two triangles.



The temperature inside an aeroplane is $2 \mathbf{0}^{\circ} \mathrm{C}$.
The temperature outside the aeroplane is $-30^{\circ} \mathrm{C}$.

What is the difference between these temperatures?


Karen makes a fraction using two number cards.
She says,
'My fraction is equivalent to $\frac{1}{2}$


## One of the number cards is $6^{\prime}$

What could Karen's fraction be?

Give both possible answers.


Write what the three missing digits could be in this calculation.


Write one number in each white section of the diagram.


15 Write these lengths in order, starting with the shortest.
 number.

Write in the missing numbers.

| $\square$ |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 3 | 6 | 12 | 24 | 48 | $\square$ |



Here are the start and finish times of some children doing a sponsored walk.

|  | Start time | Finish time |
| :--- | :---: | :---: |
| Claire | $9: 30$ | $10: 55$ |
| Ruth | $9: 35$ | $11: 05$ |
| Dan | $9: 40$ | $11: 08$ |
| Tim | $9: 45$ | $11: 05$ |

How much longer did Claire take than Tim?


18 This fence has three posts, equally spaced.


Each post is $\mathbf{1 5}$ centimetres wide.
The length of the fence is $\mathbf{1 5 3}$ centimetres.
Calculate the length of one gap between two posts.


$20 \quad \mathbf{k}, \mathbf{m}$ and $\mathbf{n}$ each stand for a whole number.
They add together to make 1500

$$
\mathrm{k}+\mathrm{m}+\mathrm{n}=1500
$$

$\mathbf{m}$ is three times as big as $\mathbf{n}$.
$\mathbf{k}$ is twice as big as $\mathbf{n}$.
Calculate the numbers $\mathbf{k}, \mathbf{m}$ and $\mathbf{n}$.


21


Cheddar cheese costs $£ 7.50$ for 1 kg .
Marie buys 200 grams of cheddar cheese.
How much does she pay?


Cream cheese costs $£ 3.60$ for 1 kg .
Robbie buys a pot of cream cheese for 90 p.


How many grams of cream cheese does he buy?



Look at these statements.

For each one put a tick $(\checkmark)$ if it is correct.
Put a cross $(x)$ if it is not correct.
' 4 ' is the most likely score.

' 2 ' and ' 4 ' are equally likely scores.


Odd and even scores are equally likely.


A score of ' 3 ' or more is as likely as a
 score of less than ' 3 '.

## Shade in one third of the diagram.

$\geqslant$


## 24



250000 people visited a theme park in one year.
15\% of the people visited in April and $40 \%$ of the people visited in August.

How many people visited the park in the rest of the year?


QCA key stage 2 team, 83 Piccadilly, London W1J 8QA

Order refs:
QCA/03/1014 (pupil pack)
QCA/03/1009 (mark schemes pack)

