

KS2 Mathematics Expected Standard



10-4-10

'10 minutes a day for ten days'

Name _____

Soon after your Easter holiday you will be sitting your KS2 SATs. After all your hard work this year, we do not want you to forget all that work over the break!

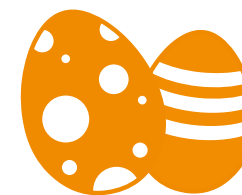
If you do a little maths every day it will keep things fresh in your mind for when you come back to school. By using this pack, you will be using the key skills you have been rehearsing all year. It is called 10-4-10 '10 minutes for 10 days'.

Every day there are some arithmetic questions and a couple of SATs style problems to solve. Complete one double page each day.

Try to do as much of the booklet as you can, remember it should take around 10 minutes each day. If you struggle with anything, make sure you ask your teacher when you return to school.

You do not need a calculator for any of these maths questions.

Good luck!



**Easter
Revision**

DAY 1 – Reasoning Questions

1. The numbers in this sequence increase by the same amount each time. **Write the two missing numbers.**

320 360 400

2 marks

2. **Circle** the number that is closest to 400.

423 4001 382 444 143

1 mark

3. A box contains 170 pens. 6 children each take 4 pens.
How many pens are left in the box?

Show your method

2 marks

4. Write the **missing numbers** in the multiplication grid.

x	9	4	
5	45		35
6		24	
3	27	12	21

2 marks

5. Here is a diagram for sorting numbers. Write **one number** in each box. One is done for you.

	<i>Multiple of 3</i>	<i>Not a multiple of 3</i>
<i>Odd number</i>	15	
<i>Not an odd number</i>		

2 marks

DAY 2 – Reasoning Questions

1. Max jumped 2.25 metres on his second try at the long jump. This was 75 centimetres longer than on his first try. How far in metres did he jump on his first try?

_____ (1 mark)

2.

A packet contains 1.5 kilograms of guinea pig food. Remi feeds her guinea pig 30 grams of food each day.



How many days does the packet of food last?

_____ (1 mark)

3. A bottle holds 1 litre of lemonade. Rachel has 5 glasses and fills each glass with 150 millilitres of the lemonade. How much lemonade is left in the bottle?

_____ (1 mark)

4.

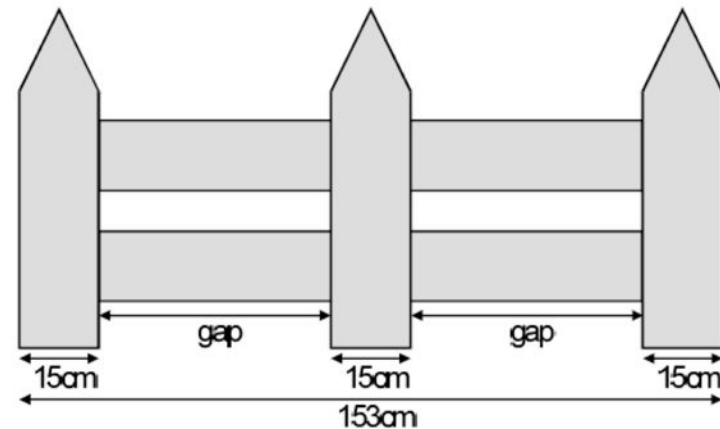
This table shows the weight of some fruits and vegetables. Complete the table.

	grams	kilograms
potatoes	3500	3.5
apples		1.2
grapes	250	

_____ (1 mark)

5.

This fence has three posts, equally spaced.



Each post is 15 centimetres wide.

The length of the fence is 153 centimetres.

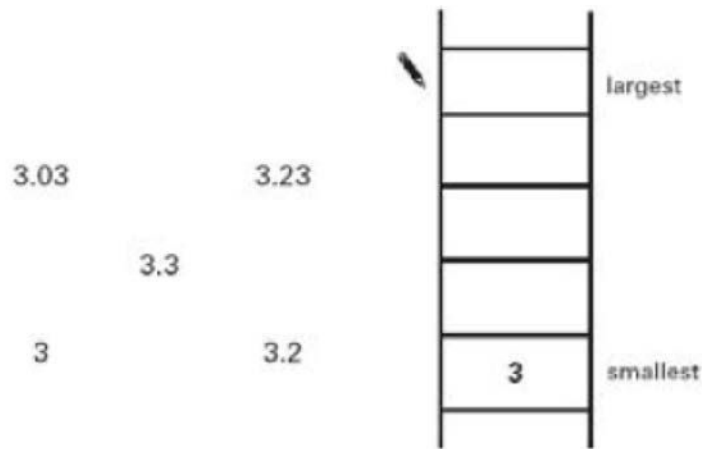
Calculate the length of one gap between two posts.

_____ (1 mark)

DAY 3 – Reasoning Questions

1.

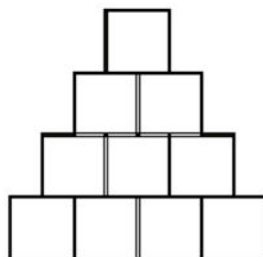
Write these numbers in order.
One has been done for you.



(1 mark)

2.

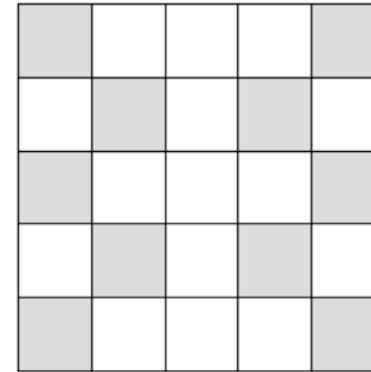
Shade $\frac{1}{5}$ of this shape.



(1 mark)

3.

Here is a pattern on a grid.

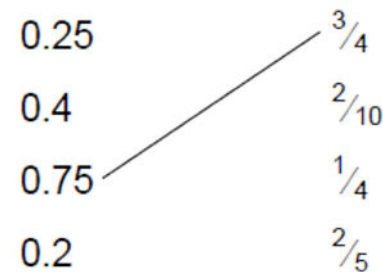


What percentage of the grid is shaded?

_____ (1 mark)

4.

Match each decimal number to its equivalent fraction. One has been done for you.



(1 mark)

5. Write in the missing numbers.

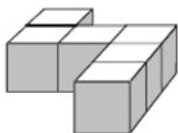
30% of 60 is _____ 30% of _____ is 60

(2 marks)

DAY 4 – Reasoning Questions

1.

Emily has 6 cubes.
She sticks them together to make this model.



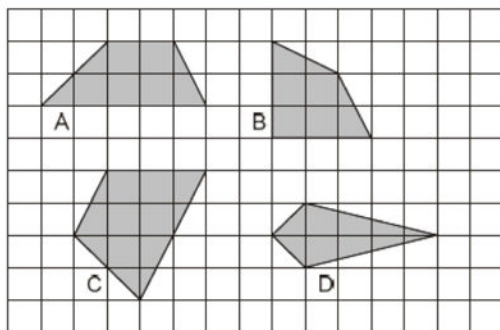
She paints the sides of the model grey all the way round. She leaves the top and the bottom of the model white.

How many of the cubes in the model have exactly two faces painted grey?

_____ (1 mark)

2.

Here are some shapes on a grid.

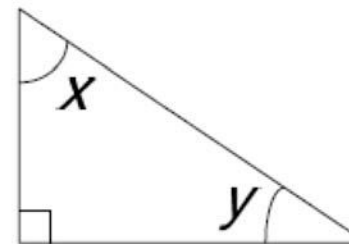


Write the letter of each shape that has one pair of parallel sides.

_____ (1 mark)

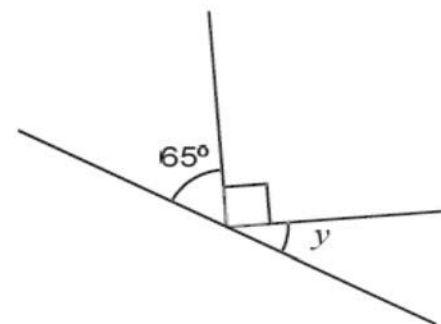
3.

Look at the triangle. Angle x is fifty-five degrees.
Calculate the size of angle y .



_____ (1 mark)

4.



Not to scale

Calculate the size of angle y in this diagram.
Do not use a protractor (angle measurer).

_____ (1 mark)

DAY 5 – Reasoning Questions

1.

In class 6T there are 3 girls to every 2 boys. There are 21 girls in the class. How many boys are there?

_____ (1 mark)

2.

A cupcake recipe uses 2 eggs for every 250g of flour. How many eggs are needed for 1kg of flour?

_____ (1 mark)

3.

Use the rule below to fill in the empty boxes.

Double a number and add 3

17 \longrightarrow

\longrightarrow 49

(1 mark)

4.



A recipe for roasting a chicken states that you must roast it for 20 minutes per 500g plus 20 minutes extra. Dan is roasting a chicken which weighs 1.5 kg. How long will he need to roast it for?

_____ (1 mark)

5.

and \bigcirc each stand for a different number.

$$\square = 34$$

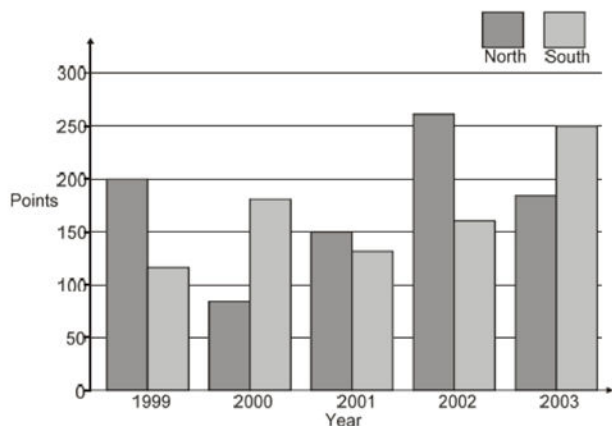
$$\square + \square = \bigcirc + \bigcirc + \square$$

What is the value of \bigcirc ?

_____ (1 mark)

DAY 6 – Reasoning Questions

A school has a quiz each year. There are two teams. Here are their results.



In which year did North beat South by 100 points? _____ (1 mark)

In which year did South beat North by the greatest amount? _____ (1 mark)

2. Brooklyn runs the 100m 5 times. These are his times in seconds.

13.4	14	13.6	14.7	14.3
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What is his mean (average) time? _____ (1 mark)

3. The total of 4 numbers is 80. What is their mean?

_____ (1 mark)

4.



How many more cars were sold in April than in March?

_____ (1 mark)

How many cars were sold in total between the beginning of January and the end of May?

_____ (1 mark)

5. This pie chart looks at activities completed by 60 people on Saturday morning.



What fraction of the people played?

_____ (1 mark)

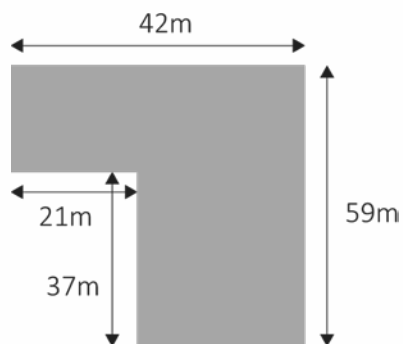
What is the difference between the amount that sleep and play?

_____ (1 mark)

DAY 7 – Reasoning Questions

1.

Find the perimeter of the shape below.



_____ (1 mark)

2.

A film starts at 6:45pm.
It lasts 2 hours and 35 minutes.

What time will the film finish?

_____ (1 mark)

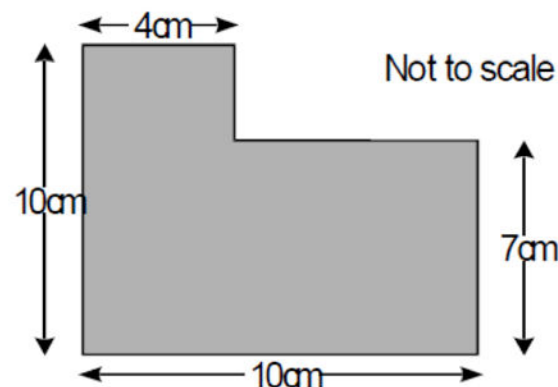
3.

Buses come once an hour at a twenty past the hour. Sophie arrives at the bus stop at 9:40am. How long should she have to wait for the next bus?

_____ (1 mark)

4.

What is the area of this shape?



_____ (1 mark)

5.

A square has four sides. One of its sides measures 67mm. Work out its perimeter in cm.

Perimeter = _____ cm

_____ (1 mark)

DAY 8 – Reasoning Questions

1.

Toby has $\frac{3}{4}$ of £160 and Paul has $\frac{3}{8}$ of £240. How much more money does Toby have?

_____ (1 mark)

2.

Circle all the improper fractions that are equivalent to 4.

$$\frac{12}{6} \quad \frac{48}{12} \quad \frac{30}{8} \quad \frac{16}{4} \quad \frac{4}{9}$$

(1 mark)

3. Draw lines to join the decimal with the equivalent fraction.

0.75
0.34
0.7
0.07
0.04

$\frac{3}{4}$
0.34
$\frac{7}{100}$
$\frac{40}{100}$
$\frac{7}{10}$

(1 mark)

4.

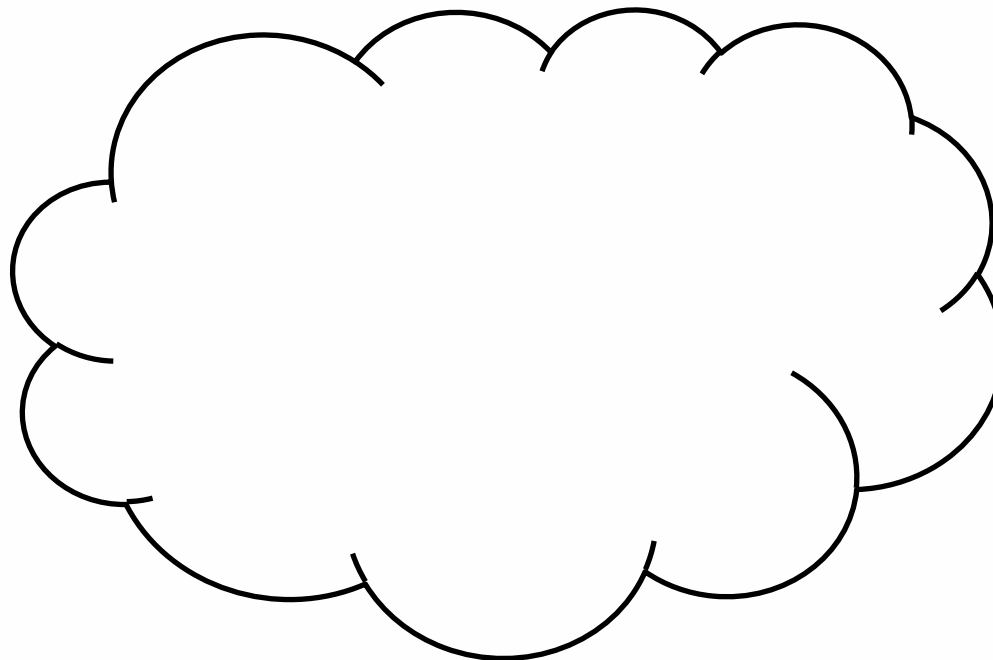
Use the symbol $< > =$ to make this statement true.

25% of £300 15% of £400

(1 mark)

5.

Bobby and Sue are sharing a cake. Bobby wants to eat 25% of the cake. Sue wants to eat $\frac{2}{5}$ of the cake. Sue thinks she will be eating the same amount as Bobby. Explain why Sue is wrong.



(1 mark)



DAY 9 – Reasoning Questions

1.

Circle all the multiples of 4 listed below:

240 113 98 808 1800

(1 mark)

2.

List all the factors of 24.

(1 mark)

3.

Tina is thinking of 2 square numbers. The difference between them is 11. When she adds them together the total is 61. What two square numbers is Tina thinking of?

_____ (1 mark)

4.

Complete the prime numbers:

<input type="text"/>	3	<input type="text"/>	7	11	<input type="text"/>	<input type="text"/>	19
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(1 mark)

5.

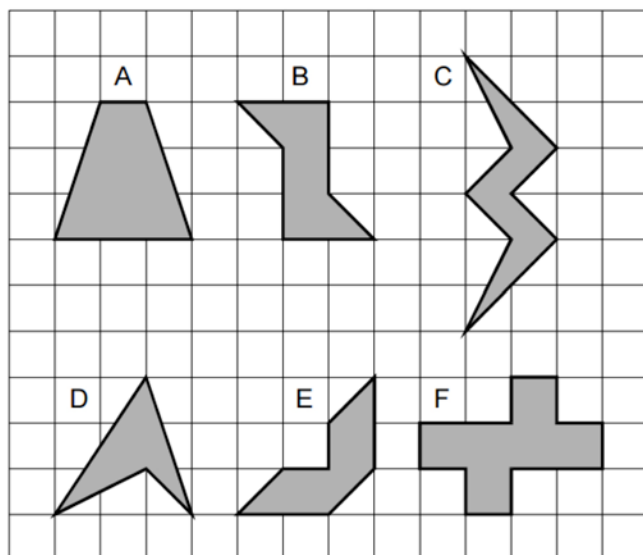
What is the lowest common multiple of 9 and 12?

_____ (1 mark)

DAY 10 – Reasoning Questions

1.

Here are some shaded shapes on a grid.



Which three shapes have reflective symmetry?

_____ (1 mark)

2. Write these numbers in descending order.

176,490 167,940 174,609 169,470 10,740

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(1 mark)

3. Lloyd works for 165 days of the year. How long is this in weeks and days?

_____ (1 mark)

4. The table shows the temperature in different cities.

City	Temperature $^{\circ}\text{C}$
London	7
Birmingham	-3
Edinburgh	-9
Leeds	0
Cardiff	-4
Brighton	8
Southampton	11

What is the difference in temperature between London and Cardiff?

_____ (1 mark)

The temperature in Birmingham increases by 14°C . What is the temperature in Birmingham now?

_____ (1 mark)

5. Polly has 5 bags of sweets. In each bag there are 21 sweets. She wants to share them equally between 6 people. How many sweets does each person get?

_____ (1 mark)