

KS2 Mathematics  
*EASTER REVISION*

*10 4 10*

"10 MINUTES A DAY FOR 10 DAYS"

Level 5 questions

Very soon after your Easter holidays you will be sitting your KS2 SATs. You have been working very hard in your lessons, to achieve your best— It would be a pity if you forgot all that work over the Easter break!!!!

Even doing a little will help you keep your maths "sharp". This pack is to help you do just that.

It is called *10 4 10*, "10 minutes a day for 10 days" - (you can have the weekend off!!!).

Every day there is ONE double sided sheet to complete, with FIVE mental arithmetic and 3 to 4 SATs type questions.

**REMEMBER:** It should only take you about 10 minutes a day.

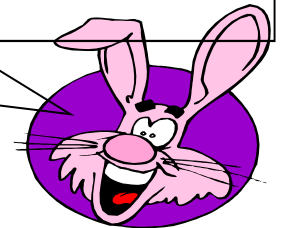
A second pack will go home—this will have the answers and some handy 'hints'. Get someone at home to help you go through the answers.

If you get really stuck - don't worry, just ask your teacher when you get back to school.

Another thing - You will need a calculator for day 6. Remember your brain is the best calculator you have.

Good Luck

Name \_\_\_\_\_



*KS2 Mathematics*

**10 4 10**

*Level 5 questions  
Day 1*



## Mental Questions

1. Calculate 10 minus three point six five.


2. How many metres are there in two point five kilometres?

3. Round 3.75 to the nearest whole number .

4. Eight cakes cost £2.40. How much do 20 cakes cost?

5. What is 3000 divided by 20?

1. Write in the missing number.

  $50 \div \boxed{\phantom{000}} = 2.5$



1 mark

2. Calculate  $15.05 - 14.84$

1 mark

3. Calculate  $509 \times 24$

Show your **working**.  
You may get a mark.

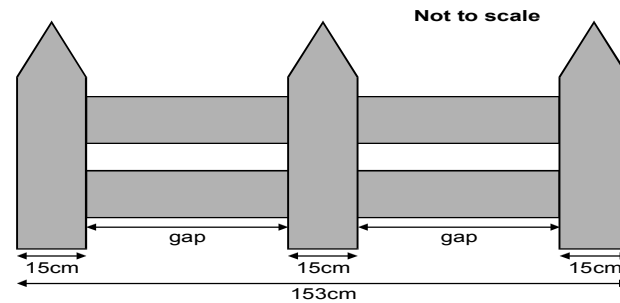
2 marks

4. Circle the **two** numbers which add up to 1.

**0.1    0.65    0.99    0.45    0.35**

1 mark

5. This fence has three posts, equally spaced.




Each post is **15 centimetres** wide.

The length of the fence is **153 centimetres**.

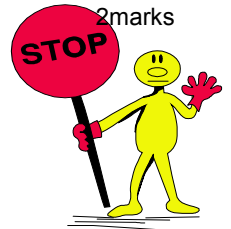
Calculate the length of **one gap** between two posts.

Show your **method**.  
You may get a mark.

 cm

2marks



## Mental Questions

*KS2 Mathematics*

*10 4 10*

*Level 5 questions  
Day 2*



1. What is three fifths of 65?
2. What temperature is 15 degrees lower than  $7^{\circ}\text{C}$ .
3. What is one point six multiplied by 4?
4. A rectangle measures 11cm by 30cm. What is its area?
5. Put a ring around the decimal that is equivalent to two fifths  
0.5   0.3   0.25   0.4   0.52

1. The rule for this sequence of numbers is 'add 3 each time'.

**1    4    7    10    13    16    ...**

The sequence continues in the same way.

Mary says,

***'No matter how far you go there will never be a multiple of 3 in the sequence'.***

Is she correct?

Circle Yes or No.

**Yes / No**

Explain how you know.



---

---

---

1 mark

2.  $n$  stands for a number.

Complete this table of values.

$n$	$5n - 2$
20	<input type="text"/>
<input type="text"/>	38

2mark  
5

3.  $n$  stands for number.

Match the equivalent expressions.

One has been done for you.



<input type="text" value="n plus 5"/>	<input type="text" value="n&lt;sup&gt;2&lt;/sup&gt;"/>
<input type="text" value="2 less than n"/>	<input type="text" value="2 - n"/>
<input type="text" value="n plus n"/>	<input type="text" value="n + 5"/>
	<input type="text" value="2n"/>
	<input type="text" value="n - 2"/>
	<input type="text" value="n + 2"/>

A line connects the box 'n plus 5' to the box 'n + 5'.

2 marks



## Mental Questions

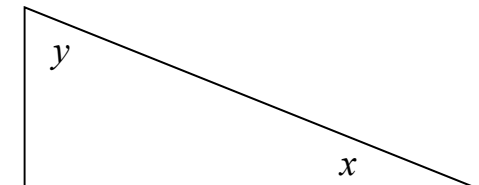
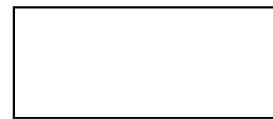
*KS2 Mathematics*

*10 4 10*

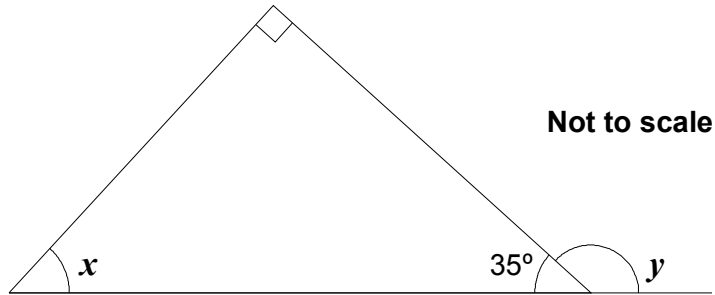
*Level 5 questions  
Day 3*



1. What is four point five divided by one hundred?
2. How many grams are there in fifteen kilograms?
3. What is twenty-three multiplied by two hundred?
4. When  $h$  has the value seventeen, calculate the value of  $h$  subtract 2?
5. Look at the triangle. Angle  $y$  is  $65^\circ$ . Calculate the size of angle  $x$ ?



1. Look at this diagram.



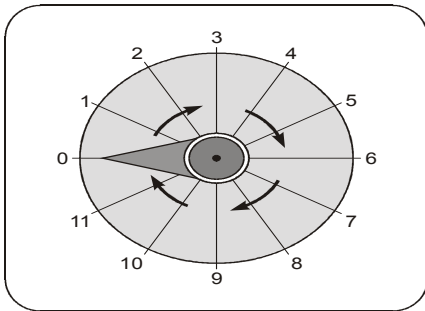
Calculate the size of angle  $x$  and angle  $y$ .

Do **not** use a protractor (angle measurer).

$X =$   ° 1 mark

$Y =$   ° 1 mark

2. Here is a dial.

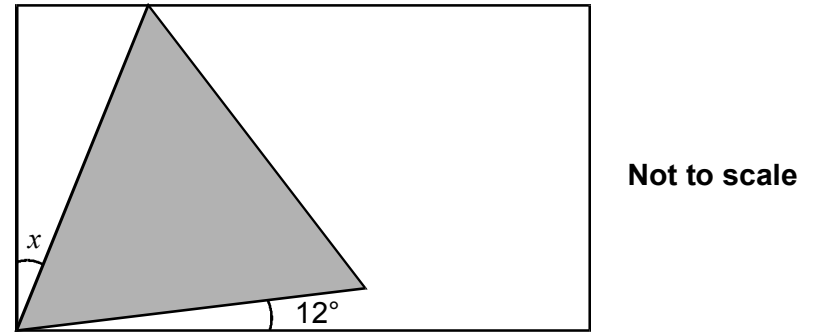


The pointer on this dial turns in a **clockwise** direction.  
The pointer is at **0**.

Which **number** does it point to after a turn of **270°**?

1 mark

2. Here is an **equilateral triangle** inside a **rectangle**.



Calculate the value of angle  $x$ .

Do **not** use a protractor (angle measurer).

Show your **method**.  
You may get a mark.

°

2 marks



## Mental Questions

*KS2 Mathematics*

*10 4 10*

*Level 5 questions  
Day 4*

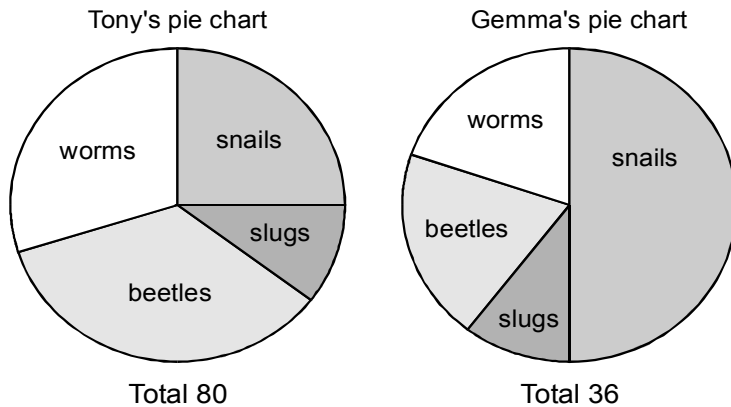


1. How many faces has a hexagonal pyramid?
2. How many millimetres are there in five and a half litres?
3. What is two percent of four hundred?
4. Calculate the difference between three hundred and thirty and eight hundred and twenty.
5. When rolling a fair dice numbered 1 to 6. What is the probability of getting an even number?



1. Tony and Gemma looked for snails, worms, slugs and beetles in their gardens.

They each made a pie chart of what they found.



Estimate the number of **worms** that **Tony** found.




1 mark

Who found more **snails**?

Circle Tony or Gemma.  
Gemma

 Tony /

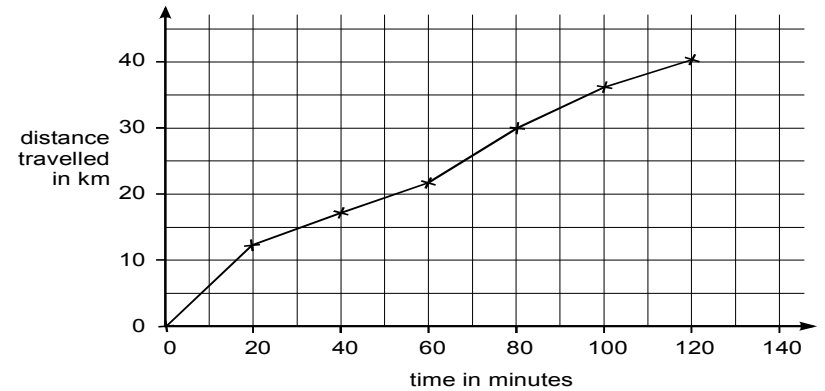
Explain how you know.

 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

1 mark

3. Carol went on a **40-kilometre** cycle ride.

This is a graph of how far she had gone at different times.



How many minutes did Carol take to travel the **last 10 kilometres** of the ride?



minutes

1 mark

Use the graph to estimate the distance travelled in the **first 20 minutes** of the ride.



km

1 mark

Carol says,

**'I travelled further in the first hour than in the second hour'**

Explain how the graph shows this.



\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

1 mark



## Mental Questions

*KS2 Mathematics*

*10 4 10*

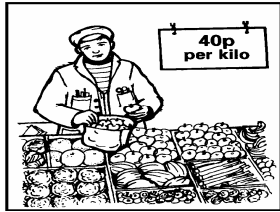
*Level 5 questions*

*Day 5*



1. What is nought point seven divided by ten?
2. Three times a number is two hundred and one what is the number?
3. What is  $\frac{3}{4}$  of 600?
4. A cake costs 35p. How many cakes can be bought for four pounds?
5. A regular hexagon has a perimeter of 42cm. What is the length of one side?

1.



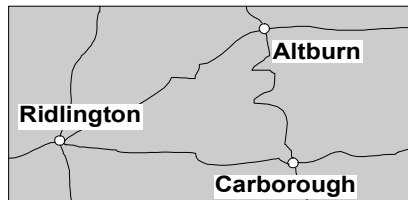
Mr Green sells apples at 40p per **kilogram**.

Mrs Ball sells apples at 24p per **pound**.

Work out who sells the cheaper apples.  
Show how you worked it out.

1 mark

2. This map has a scale of **1 centimetre to 6 kilometres**.



The road from Ridlington to Carborough measured **on the map** is **6.6cm** long.



What is the length of the road in **kilometres**?

km

2 marks

3. Cheddar cheese costs £7.50 for 1kg.

Marie buys 200 grams of cheddar cheese.

How much does she pay?

£

1 mark

Cream cheese costs £3.60 for 1kg.

Robbie buys a pot of cream cheese for 90p.

How many grams of cream cheese does he buy?

Show your **method**. You may get a mark.

grams

2 marks



## Mental Questions

*KS2 Mathematics*

*10 4 10*

*Level 5 questions  
Day 6*



1. Ring the numbers which are square numbers.

27 9 38 1 16 54

2. Add four to minus five.

3. Centimetres are a measure of length. What are square centimetres a measure of?

4. Twenty-five percent of a number is 8. What is the number?

5. Multiply 5.6 by 2

1. Calculate  $31.6 \times 7$



1 mark

2. Circle the number **closest** in value to **0.1**

 **0.01**   **0.05**   **0.11**   **0.2**   **0.9**

1 mark

3. Calculate  $8.6 - 3.75$



1 mark

4. Use a calculator to work out  $49.3 \times (2.06 + 8.5)$



1 mark

5. Put a tick (✓) in the correct box for each calculation.

Use a calculator.

The first one has been done for you.

	less than 1000	equal to 1000	more than 1000
$8.9 \times 9.9 \times 11.9$			✓
$(786 - 387) \div 0.41$			
$95.4 + (91 \times 9.95)$			
$12.5 \times (21.1 + 58.9)$			

2 marks

6. Write in the missing numbers.

$$\boxed{\phantom{000}} \div 21.7 = 37.5$$

1 mark

$$100 - (22.75 + 19.08) = \boxed{\phantom{000}}$$

1 mark



## Mental Questions

*KS2 Mathematics*

*10 4 10*

*Level 5 questions  
Day 7*



1. Write a multiple of three that is bigger than 100.

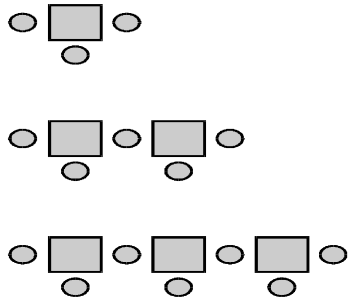
2. An event is certain to happen. Which number represents its probability?

3. What is 5 subtract 8?

4. I am facing east, then I turn through one hundred and eighty degrees. What direction am I facing now?

5. What is three-fifths of £40

1. Here is a sequence of patterns made from squares and circles.



	number of squares	number of circles
1	1	3
2	2	5
3	3	7


The sequence continues in the same way.

Calculate how many **squares** there will be in the pattern which has **25 circles**.




Show your **working**.  
You may get a mark.

2 marks

2.  Write in the missing digit.

$$\square 92 \div 14 = 28$$

3.  Write in the missing digits.

$$323 \times \square 7 = 1518 \square$$

1 mark

4. Sima thinks of a number.  
She **divides** it by **12**. Her answer is **26**.

What is the number Sima thinks of?



1 mark



## Mental Questions

*KS2 Mathematics*

*10 4 10*

*Level 5 questions*

*Day 8*



1. I am thinking of a 2-digit number that is a multiple of 8. The digits add up to six. What is the number?

2. What is 10% of £3.30

3. What is  $\frac{4}{5}$  of 65

4. What is the square root of 121?

5. It takes one and a half minutes to swim a length. How many lengths can I swim in 12 minutes?



1. Julie says,

***'I added three odd numbers  
and my answer was 50'***

Explain why Julie cannot be correct.



---

---

---

1 mark

2. A sequence of numbers starts at 11 and follows the rule

***'double the last number and then subtract 3'***

11    19    35    67    131 ...

The sequence continues.

The number 4099 is in the sequence.

Calculate the number which comes immediately **before 4099** in the sequence.



Show your **method**.  
You may get a mark.



2 marks

17

3. A sequence starts at **500** and **80** is **subtracted** each time.

500    420    340 ...

The sequence continues in the same way.

Write the **first two numbers** in the sequence which are **less than zero**.



2 marks

4. Carol has a rule for a sequence of numbers.

Her rule is

***"The next number is the sum of the two previous numbers."***

Use Carol's rule to write in the three missing numbers.

, , , 0, 1, 1, 2, 3, 5, 8, ...

1 mark



## Mental Questions

*KS2 Mathematics*

*10 4 10*

*Level 5 questions*

*Day 9*



1. Ring the fractions that are equivalent to  $\frac{3}{4}$ .

$\frac{3}{6}$     $\frac{6}{8}$     $\frac{1}{4}$     $\frac{6}{12}$     $\frac{15}{20}$

2. What percentage of £20 is £5.

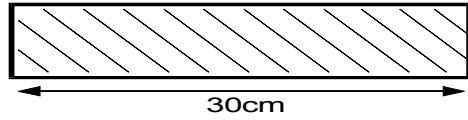
3. What is 13 squared?

4. How many 0.5 are there in 10.

5. You travel 8km. Circle the amount of miles that is equivalent to this distance.

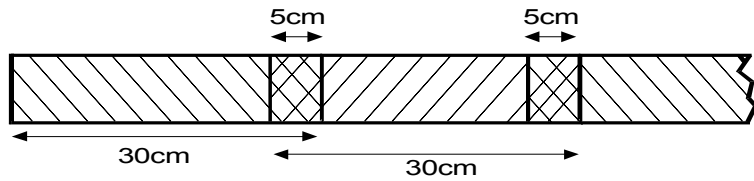
1   6   8   5   16

1. Strips of paper are each **30 centimetres** long.



Steve joins strips of paper together to make a **streamer**.

The strips overlap each other by **5cm**.



How long is a streamer made from **only 2 strips**?

  cm

1 mark

Sunita makes a streamer that is **280cm** long.

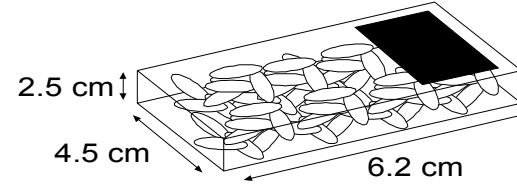
How many **strips** does she use?

Show your **working**.  
You may get a mark.

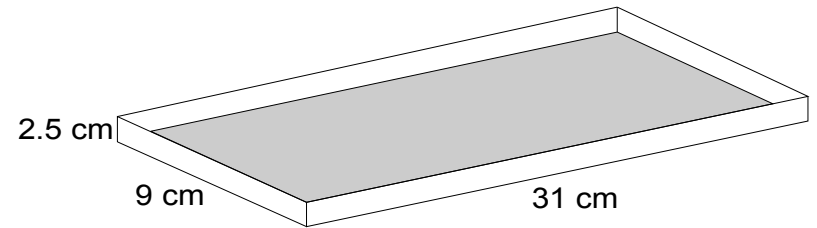
2marks

19

2. Boxes measure 2.5cm by 4.5cm by 6.2cm.



The shopkeeper puts them in a tray.



Work out the **largest** number of boxes which can lie flat in the tray.

2 marks



## Mental Questions

*KS2 Mathematics*

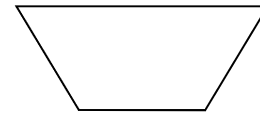
*10 4 10*

*Level 5 questions  
Day 10*



1. Increase £2 by fifty percent.

2. Look at the polygon. What is its name?

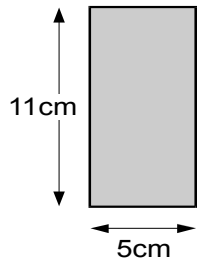


3. There are 14 girls and thirteen boys in a class. What is the probability that a pupil chosen at random will be a girl?

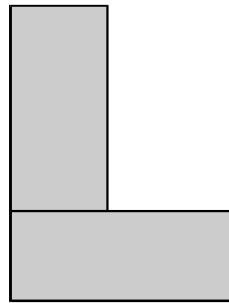
4. What is the remainder when you divide 300 by 29?

5. Write  $15/35$  in its simplest form


1. Liam has two rectangular tiles like this.



He makes this L shape.

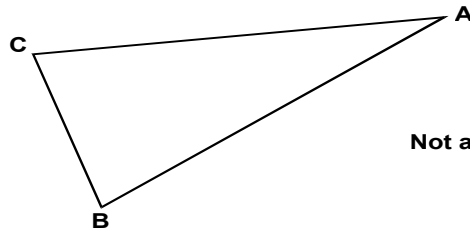


What is the **perimeter** of Liam's L shape?



1 mark

3. Triangle **ABC** is isosceles and has a perimeter of 20 centimetres. Sides **AB** and **AC** are each twice as long as **BC**.



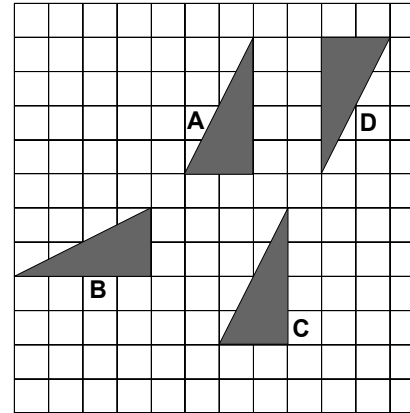
Not actual size

**Calculate** the length of the side **BC**. Do not use a ruler.

 Show your **working**. You may get a mark.

2marks

2.



Write the correct **letter** in this sentence.

 Shape ..... is a **reflection** of shape A

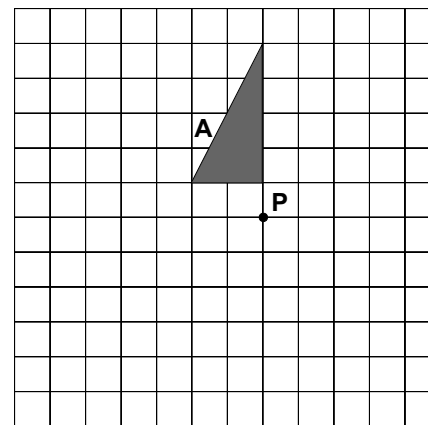
1 mark

Shape A is **rotated 180°** about the **point P**.

Draw **shape A** in its **new** position on the diagram below.

You may use tracing paper.

You may use an angle measurer.



2marks

