









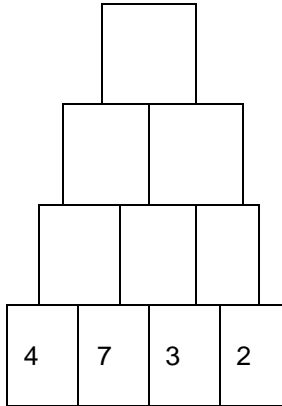

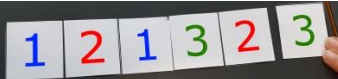




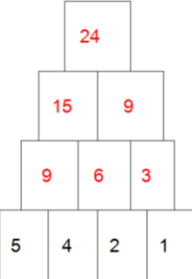


# Year 3 - Maths – Summer 2 Week 5



	Day 1 Activity	Day 2 Activity	Day 3 Activity	Day 4 Activity	Day 5 Activity
Mental Maths (to aid fluency)	<b>Rapid Reasoning:</b> See below for details.	<b>Rapid Reasoning:</b> See below for details.	<b>Rapid Reasoning:</b> See below for details.	<b>Rapid Reasoning:</b> See below for details.	<b>Rapid Reasoning:</b> See below for details.
<b>CGP KS2 Maths 10-minute weekly workout book</b>	<b>CGP KS2 Maths book</b> Workout 1, page 26	<b>CGP KS2 Maths book</b> Workout 2, page 28	<b>CGP KS2 Maths book</b> Workout 3, page 30	<b>CGP KS2 Maths book</b> Workout 4, page 32	<b>CGP KS2 Maths book</b> Workout 5, page 34
<b>Problem of the day</b>	<p><b>Shape codes.</b> Find the value of each shape:</p> <p> x 4 = 12</p> <p> +  = 9</p> <p> +  = 8</p> <p> +  +  = 26</p> <p> +  = ?</p>	<p><b>Countdown Game.</b> <b>100 1 10 3 3 2</b></p> <p>Only using digits from the six above, make the number <b>318</b>.</p> <p>Remember you can only use the digits once.</p> <p>You can also play this game <a href="#">online</a>.</p>	<p><b>Number pyramid</b> Use addition to fill in the blanks:</p> 	<p><b>Problem of the week.</b></p> <p><b>Kieron's cats</b></p> <p>Kieron has three cats. Each is a different weight.</p> <p>The first and second weigh 7 kg altogether. The second and third weigh 8 kg altogether. The first and third weigh 11 kg altogether.</p> <p>What is the weight of each cat?</p> 	<p><b>Investigation.</b> Number sandwich. In this arrangement there is one number sandwiched between the "1" cards, two numbers sandwiched between the "2" cards, but only one number sandwich between the "3" cards.</p>  <p>Is it possible to make a complete sandwich with one number between the "1" cards, two numbers between the "2" cards, and three numbers between the "3" cards?</p>
<b>Tips, clues or methods to help</b>	<p>Last week's answer:</p> <p> = 4    = 9</p> <p> = 3    = 5</p>	<p>What is 318 divided by three?</p>	<p><u>Last week's answer:</u></p> 	<p><u>Last week's answer:</u> Maisie had 46 breadcrumbs. (List all the multiples of 4. Add 2 to each number in the list. Now list all the multiples of 5. Add 1 to each number in the list. Now look for a number lying between 30 and 50 is in both lists.)</p>	<p>Write out 1, 1, 2, 2, 3 and 3 on six separate bits of paper so you can arrange them until you've found the right order.</p> <p>Investigate using 1, 1, 2, 2, 3, 3, 4 and 4 on eight bits of paper. Is it possible to make a sandwich?</p>

## Day 1: Rapid Reasoning

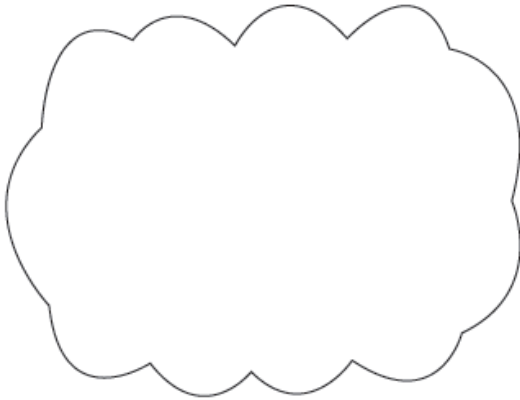
Rapid Reasoning | Questions

Year 3 | Week 5 | Day 1

**Q1** The answer to this calculation is wrong.

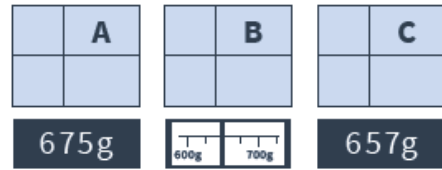
$$\begin{array}{r} 635 \\ + 236 \\ \hline 861 \end{array}$$

Explain the mistake.



1 mark

**Q2** Here are the masses of three parcels.



Use the symbols  $>$ ,  $<$  or  $=$  to compare the masses.

Mass of parcel B  mass of parcel C

Mass of parcel A  mass of parcel C

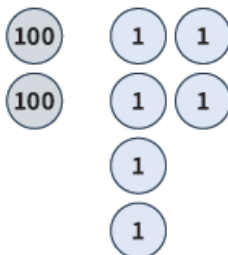
1 mark

## Day 2: Rapid Reasoning

Rapid Reasoning | Questions

Year 3 | Week 5 | Day 2

**Q1**



a Write this number using numerals.

1 mark

50

1

300

b Write this number using words.

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1 mark

**Q2**

244                      439                      235

Dylan chooses two of these numbers and adds them together.

The total is 674.

Which two numbers has Dylan added?

 and 

1 mark

**Q3**

Tinaya throws three balls at this target.

She scores a total of £25.



Where do the three balls go?

,  and 

1 mark

## Day 3: Rapid Reasoning

Rapid Reasoning | Questions

Year 3 | Week 5 | Day 3

**Q1** Complete the missing numbers.

hours are in one day

So,  hours are in two days

and  hours are in half a day.

1 mark

**Q2** 3 1 9 2 7 0

**a** Write in words the largest three-digit number that you can make from these digits.

\_\_\_\_\_

\_\_\_\_\_

**b** Write in numerals the smallest three-digit number that you can make from these digits.

1 mark

1 mark

**Q3** 237 491 245

India uses subtraction to find the difference between two of these numbers. The difference is 254.

Which two numbers has India subtracted?

and

1 mark

## Day 4: Rapid Reasoning

Rapid Reasoning | Questions

Year 3 | Week 5 | Day 4

**Q1** Hatham and Annie have tried to add 572 and 163 using column addition.

They have made two different mistakes.

Hatham:	Annie:
$\begin{array}{r} 572 \\ + 163 \\ \hline 5883 \end{array}$	$\begin{array}{r} 572 \\ + 163 \\ \hline 635 \\ 1 \end{array}$

Explain the mistakes that each person has made.

Hatham's mistake is

\_\_\_\_\_

\_\_\_\_\_

Annie's mistake is

\_\_\_\_\_

\_\_\_\_\_

2 marks

**Q2** This diagram shows how the number 814 changes when there is 200 more or 200 less.



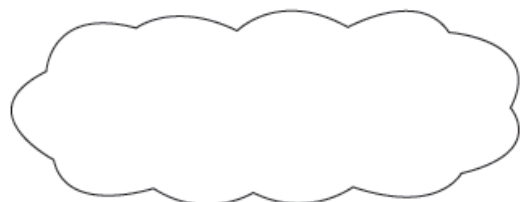
Complete the boxes to show the missing numbers

1 mark

**Q3** Georgia says, "An odd number multiplied by five equals an odd number.

An even number multiplied by five equals an even number."

Is Georgia correct? Explain your answer.



1 mark

# Day 5: Rapid Reasoning

Q1

$$\begin{array}{r} 531 \\ - \blacksquare 2 \blacksquare \\ \hline 404 \end{array}$$

What are the missing digits in this column subtraction?

1 mark

Q2

Arrange these number cards so that these two statements make sense. Only use each number once.

684   486   468   648

<

>

1 mark

Q3

This table shows four activities that Alicia does on Saturday.

A	Watches a film	2 hours & 5 minutes
B	Brushes her teeth	2 minutes
C	Visits her cousin	1 hour
D	Walks the dog	25 minutes

Write the letters A, B C and D in order of shortest to longest activity.

Shortest ← → Longest

1 mark

## Day 5 Investigation

Arrange the numbers to there are three numbers in between the “3” digits, two numbers in between the “2” digits, and one number in between the “1” digits.



## Answers:

Rapid Reasoning | Answers Year 3 | Week 5 | Day 1

Q1 The answer to this calculation is wrong.

$$\begin{array}{r} 635 \\ + 236 \\ \hline 861 \end{array}$$

Explain the mistake.

The ones add up to 11, but the extra ten has not been added to the tens column. The tens should add to make seven, not six.

1 mark

Q2 Here are the masses of three parcels.

A	B	C
675g	675g	657g

Use the symbols >, < or = to compare the masses.

Mass of parcel B  mass of parcel C

Mass of parcel A  mass of parcel C

1 mark

