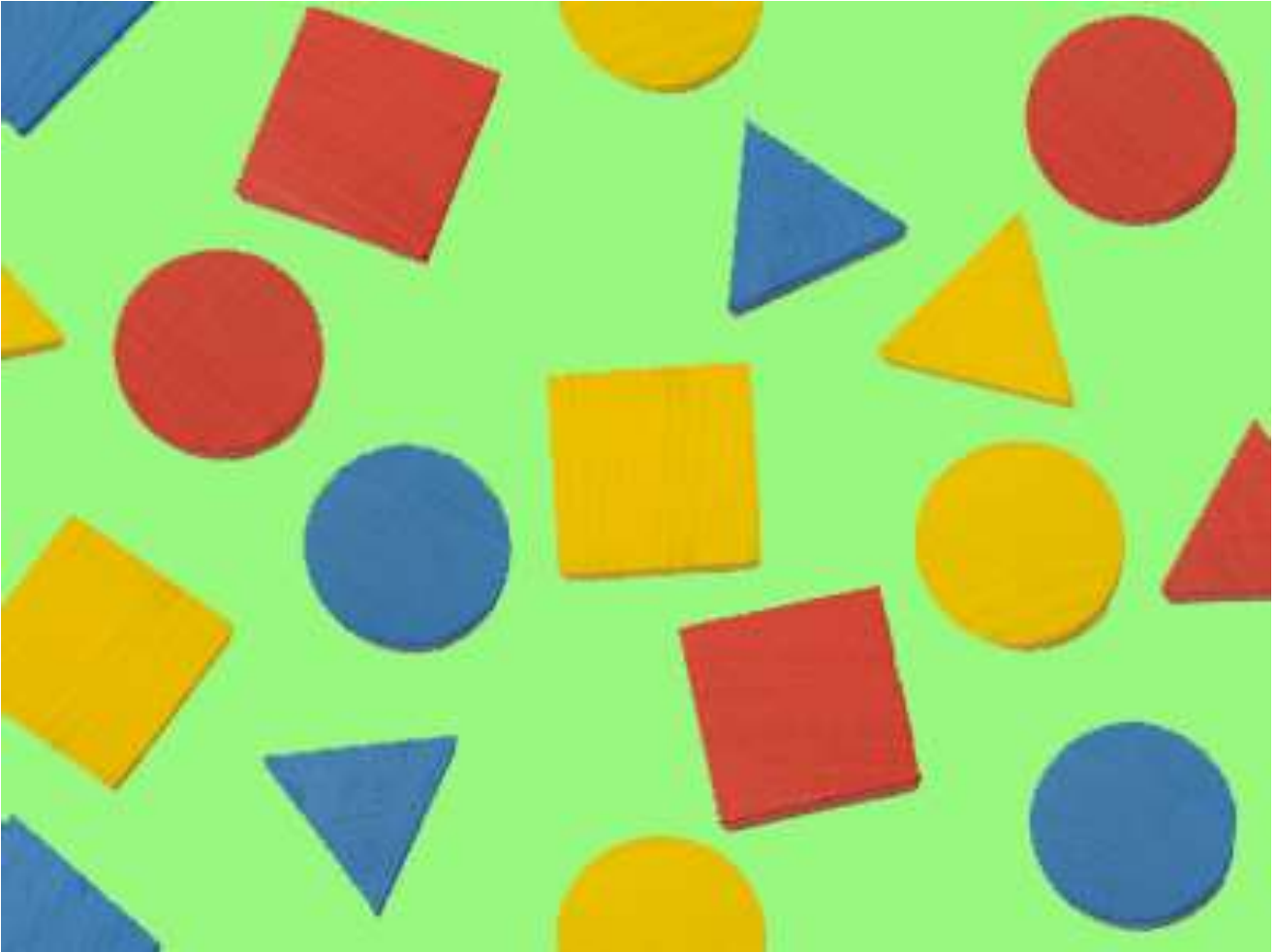


# Year 3 and 4 Maths



## Week 5

### Contents

- Page 2 – Day One Mental Maths Warm Up
- Pages 3 to 4 – Day One Main Activity: Reasoning and Money
- Page 5 – Day Two Mental Maths Warm Up
- Pages 6 to 7 – Day Two Main Activity: Place Value Detectives
- Page 8 – Day Three Mental Maths Warm Up
- Pages 9 to 10 – Day Three Main Activity: Place Value Detectives
- Page 11 – Day Four Mental Maths Warm Up
- Pages 12 to 13 – Day Four Main Activity: Place Value Detectives
- Page 14 – Day Five Mental Maths Warm Up
- Page 15 – Day Five Main Activity: Place Value Detectives

Mental Maths Warm Up!**DAY ONE**

Add together seven, three & sixteen. \_\_\_\_\_

Write the number that is 7 less than 100. \_\_\_\_\_

What is 749 to the nearest hundred? \_\_\_\_\_

What is six multiplied by four? \_\_\_\_\_

Write the number four thousand and seven in figures. \_\_\_\_\_

Change one & a half metres into centimetres. \_\_\_\_\_

How many halves are there in four whole ones? \_\_\_\_\_

The side of a square is two metres. What is the area of the square? \_\_\_\_\_

A coach trip starts at nine fifty. It lasts thirty-five minutes. At what time does it finish?

\_\_\_\_\_

Which answer?

Ten more than a number is 2696.

What is that number? 2706 or 2686.

Explain your choice.

Different Ways

To turn 180 into 210 you can...

Add \_\_\_\_ tens

Or add \_\_\_\_ ones

Or add \_\_\_\_ tens and \_\_\_\_ ones

Or add \_\_\_\_ hundreds and subtract \_\_\_\_ tens

Main Maths Activity

Carrying in from last week's activities:

FRESH MILK	1.39
HOVIS BREAD	1.25
FROZEN PIZZA	2.53
FROZEN PIZZA	2.53
T MILD CHEESE	3.24
GARL FLATBREAD	1.77
STEAK MINCE	2.89
PEAS & CORN	1.49
FAIRY LIQUID	1.45
HANDWASH	1.99
HANDWASH	1.99
KITCHEN FOIL	1.88
FLOWERS 2@ 3.00	6.00
MCCOYS	0.75
RED PEPPER	0.87
BANANAS LOOSE	
0.630KG @ £0.68/KG	0.43
BAKING POT	
0.630KG @ £1.38/KG	0.87
ONION LOOSE	
0.150KG @ £0.87/KG	0.13
GREEN PEPPER	0.72
<b>TOTAL</b>	<b>34.17</b>
VISA DEBIT	34.17
CHANGE	0.00

1. One red pepper costs £0.87. How much would 3 red peppers cost?
2. What would 10 loose onions cost?
3. I don't buy the pizzas or the milk. How much does my shopping cost now?
4. How much more would 2 red peppers cost than 2 green peppers?
5. 200 grams of the mild cheese cost me £3.24. How much would 100 grams cost?
6. 200 grams of the mild cheese cost me £3.24. How much would 400 grams cost?
7. For tea, my family ate a pizza, the garlic flatbread and the peas and corn. How much did our tea cost?
8. How much would 2 hand washes cost? 4? 8? 16?
9. I want to make a cottage pie! I use the steak mince, the baking potato, the mild cheese and the onion. How much did it cost to make the cottage pie?
10. How much change would I get from a £20 note if I bought all the ingredients for the



9 loo rolls  
£3.87



Loaf of bread  
£1.05



4 tins of baked  
beans  
£2.55



1 pint of milk  
£0.58



4 apples  
£1.42

Can you write ten questions based on the contents of this shopping basket?

Try to make them interesting and varied!

Mental Maths Warm Up!**DAY TWO**

Put a circle around the EVEN numbers:

9    32    47    16    4    26    11

Put a circle around the ODD numbers:

16    38    21    47    33    22

You know that  $3 \times 4 = 12$

Use it to help complete this:

$$12 \div 3 =$$

$$12 \div 4 =$$

A pencil case costs £1.65. How much will two pencil cases cost? \_\_\_\_\_

What change will I get if I pay with a £5 note? \_\_\_\_\_

Draw the missing lines to match the question to the answer.

Three tens	14
Double 7	9
The sum of 26 and 9	30
Half of 18	35
The difference between 22 and 5	17

Draw the missing lines to match the question to the answer.

Five tens	31
Double 8	14
The sum of 22 and 9	50
Half of 22	11
The difference between 22 and 8	16

Main Maths Activity

What are the values of the underlined numbers?

26334591078289901037345521092234

8210

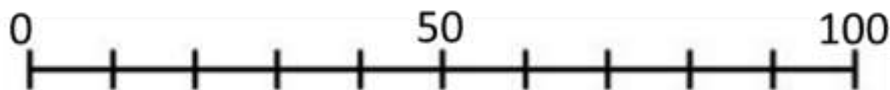
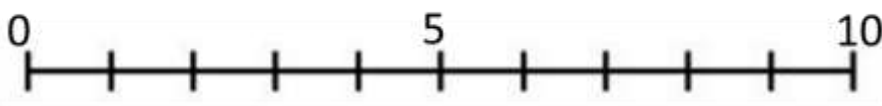
Be a number detective!

I have a nine in the tens place and I am an even number.

I am less than 95, but more than 91.

The digit in the ones place is half of eight.

What am I?



Can you put the number 9 on these number lines?

Can you make a number between 10 and 40, using these digits?

**3 0 7 5**

10 40



Can you make a number between 50 and 100, using these digits?

**4 9 1 3**

50 100



Can you make a number between 17 and 42, using these digits?

**4 8 0 9**

17 42



Can you make a number between 30 and 60, using these digits?

**6 5 1 8**

30 60



Mental Maths Warm Up!**DAY THREE**

Increase 15 by 10. \_\_\_\_\_

$18 - 9 =$  \_\_\_\_\_

14 doubled \_\_\_\_\_

$43 + 34 =$  \_\_\_\_\_

$125 - 26 =$  \_\_\_\_\_

$6 \times 7 =$  \_\_\_\_\_

42 shared by 7. \_\_\_\_\_

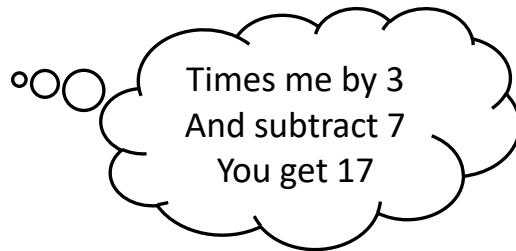
How much change would you get from £3.99 if you spent 103 pence? \_\_\_\_\_

Divide the number of legs on a spider by 2. \_\_\_\_\_

Multiply the number of degrees in a right angle by 4. \_\_\_\_\_

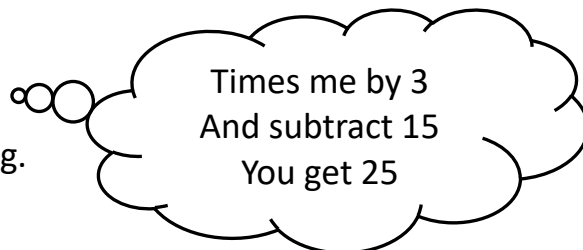
Who am I?

Show your working.



Who am I?

Show your working.





Main Maths Activity

**674 is made of 6 hundreds, 7 tens and 4 ones**

$$600 + 70 + 4$$

674 is also made of 67 tens and 4 ones

$$670 + 4$$

674 is also made of 6 hundreds and 74 ones

$$600 + 74$$

674 is also made up of 674 ones

Find different ways of expressing: **934**

\_\_\_ hundreds, \_\_\_ tens and \_\_\_ ones

\_\_\_ tens and \_\_\_ ones

\_\_\_ hundreds and \_\_\_ ones

\_\_\_ ones

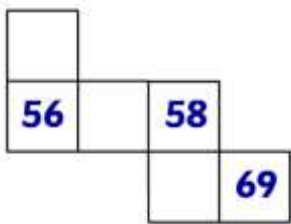
Find different ways of expressing: **607**

\_\_\_ hundreds, \_\_\_ tens and \_\_\_ ones

\_\_\_ tens and \_\_\_ ones

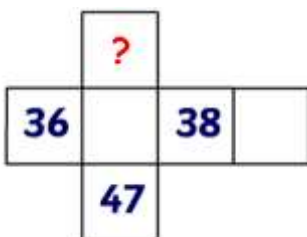
\_\_\_ hundreds and \_\_\_ ones

\_\_\_ ones



How did you know where the numbers should go?

Can you write a sentence to describe how you knew **68** would be in that square?



Which number should go where the question mark is?

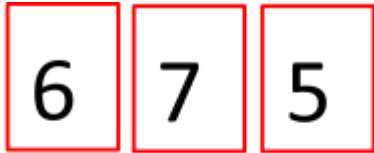
You are not allowed to fill in any other numbers!

**Do, then explain**

Show the value of the digit **3** in these numbers?

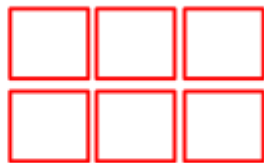
341    503    937

Explain how you know.



I have made this 3-digit number with these cards.

What other 3-digit numbers can I make with these cards?



My bike is locked.

My combination includes these numbers: 4 6 7

It is the smallest even number.

What is my combination?



My suitcase is locked.

My combination includes these numbers: 8 9 2

It is the biggest odd number.

What is my combination?



Mental Maths Warm Up!**DAY FOUR**

Double 3 and then multiply that number by 3. \_\_\_\_\_

How many legs do 2 hedgehogs, 2 spiders and 1 ant have altogether? \_\_\_\_\_

How many sides does an octagon have? \_\_\_\_\_

How many days of the week have the letter 'n' in their name? \_\_\_\_\_

How many seconds are there in 4 minutes? \_\_\_\_\_

How many minutes are there in one and three quarters of an hour? \_\_\_\_\_

Using this target board, can you find as many ways as you can to make 20?

To make 30?

To make 50?

15	5	3	10	10	4	19
8	6	20	0	9	1	10
12	13	7	12	0	16	1
4	5	10	16	4	5	10
9	2	18	7	20	3	10
11	3	3	1	0	11	9
17	1	1	19	3	18	11

Main Maths Activity**Spot the mistake:**

45,40,35,25

What is wrong with this sequence of numbers?

**True or False?**

I start at 3 and count in threes. I will say 13.

**What comes next?**

$41 + 5 = 46$

$46 + 5 = 51$

$51 + 5 = 56$

**What is the number?**

- The number has four digits.
- It is smaller than 6000, but bigger than 5000.
- The hundreds digit is smaller than 6, but bigger than 4.
- The tens digit is an odd number smaller than 7, but bigger than 3.
- The ones digit is in the three times table and is bigger than 6, but smaller than 10.

## What is the number?



- .The number has three digits.
- .The ones digit is 82 less than 91.
- .The hundreds digit is an odd number which is bigger than 1, but smaller than 4.
- .The tens digit is the same as  $6 + 3$ .

## What is the number?



- .The number has five digits.
- .The thousands digits is the number of fingers on one hand.
- .The tens digit is the number of days in a week.
- .The ones digit is half of 14.
- .The hundreds digit is the first number you dial when you need to call a fire engine, an ambulance or the police.
- .The ten thousands digit is  $2 + 4 + 3$ .

Mental Maths Warm Up!**DAY FIVE**

This is the amount of skips 4H achieved in one minute during a sponsored skip.

Round these scores to the nearest 100:

Name	Skips	Rounded to the nearest 100
Kayleigh	482	
Anya	411	
Aimee	328	
Toby	249	
Michael	117	
Laura	50	

Estimate the answer to the following additions:

$67 + 43 =$

$99 + 49 =$

$56 + 34 =$

$99 + 199 =$

$98 + 27 =$

$199 + 149 =$

Estimate the answers to the following:

$45 + 55 = \underline{\hspace{2cm}}$

$129 + 309 = \underline{\hspace{2cm}}$

$75 - 32 = \underline{\hspace{2cm}}$

$89 - 46 = \underline{\hspace{2cm}}$

$456 - 32 = \underline{\hspace{2cm}}$

$89 - 42 = \underline{\hspace{2cm}}$

Main Maths Activity

## One of 36

1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36

Use these clues to find a certain number:

- The number is odd.
- It is a multiple of 3.
- It is smaller than  $7 \times 4$ .
- Its tens digit is even.
- It is the greater of the two possible numbers



Use the clues to find the missing digits:

The hundred digit is double the tens digit. The tens digit is 5 less than 2 times 8. The ones digit is 2 less than the hundreds digit.

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