

# Maths Revision & Practice Booklet

Name: \_\_\_\_\_



## Addition and Subtraction

# Revise

## Add and Subtract Whole Numbers Using the Formal Written Method of Column Addition and Subtraction

We can use formal written methods for adding or subtracting large numbers. They are called columnar methods because the numbers are lined up underneath each other according to the place value columns.

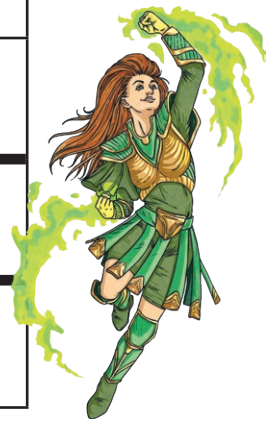
### Column Addition

Remember to add the digits in each column starting from the right-hand side.

Only write a single digit in the answer box of each place value column. If the total is more than nine, regroup into the next column.

When regrouping, remember to include this when adding the digits in the next column.

	TTh	Th	H	T	O
	3	5	6	2	8
+		7	9	8	6
	4	3	6	1	4
	1	1	1	1	



	TTh	Th	H	T	O
	<sup>2</sup> <del>3</del>	<sup>14</sup> <del>5</del>	<sup>15</sup> <del>6</del>	<sup>1</sup> 2	8
-		7	9	8	6
	2	7	6	4	2



### Column Subtraction

Remember to subtract the digits in each column starting from the right-hand side.

You must always subtract the bottom number from the top number.

When the top digit is smaller than the bottom digit, remember to exchange from the next place value column.

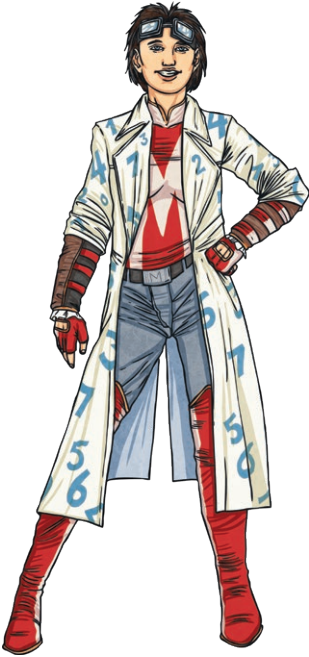
# Revise

## Use Estimation to Check Answers to Calculations

Estimating is a strategy used for checking the accuracy of a calculation.

By rounding the numbers in a calculation, we can estimate an answer before or after calculating.

When rounding a number, remember to look at the digit immediately to the right of the place value position you are rounding to.



If the digit immediately to the right of the place value position you are rounding to is

**1, 2, 3 or 4**, we round the number **down**.



If the digit immediately to the right of the place value position you are rounding to is

**5, 6, 7, 8 or 9**, we round the number **up**.

## Solve Addition and Subtraction Multi-Step Problems

Multi-step problems require several different calculations to find the answer, so being able to identify the correct operations to use and the order to do them in is an important skill.

### Top Tips

- Read the problem carefully.
- Underline key facts.
- Draw a visual model.
- Write a number sentence.
- Solve using written methods.
- Check your answer.

+	-
add	subtract
more	minus
groups of	less
plus	decrease
increase	take away
total	fewer
sum	leave
altogether	difference



# Practise

Supercharge your powers by answering these questions.



1. Write the missing digits to make these calculations correct.

		6		8
+	3		9	
	8	2	0	5

		5		9
-	1		7	
	4	0	8	1

2. Write the missing numbers to make these calculations correct.

$$7,040,030 = 7,000,000 + \boxed{\phantom{000000}} + 30$$

$$673,054 = 600,000 + \boxed{\phantom{000000}} + 54$$

3. In each row, tick the calculation that has the greater answer.

$69 + 383 =$	$393.7 + 58.38 =$
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$8,703 - 549 =$	$8,818.8 - 764.8 =$
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4. The numbers in this sequence decrease by the same amount each time. Write the next number in the sequence.

54,396,    53,846,    53,296,    52,746,   

5. Tick the correct methods for calculating  $359 - 94$  mentally, starting from 359.

subtract 100 then add 6	add 6 then subtract 90
subtract 6 then subtract 100	subtract 4 then subtract 90

1 mark



1 mark



1 mark



1 mark



1 mark



total for this page

# Practise

6. I have 4,561 stickers in my collection. I buy 3 large packs of stickers. Each large pack has 37 stickers. I add these to my collection. Then, I give 125 stickers to my brother. How many stickers do I have in my collection in total?

2 marks

😊 😐 😞

Show your method

stickers

7. At the start of the day, there were 2,874 computer games in the shop. During the day, 369 more computer games were delivered and 481 computer games were sold. How many computer games were left in the shop at the end of the day?

2 marks

😊 😐 😞

Show your method

games

8. There are 3,500 buttons in a tin. Two people take 375 buttons each. Three more people take 405 buttons each. How many buttons are left in the tin?

2 marks

😊 😐 😞

Show your method

buttons

total for this page

## Practise

9. I buy four magazines. Each magazine costs the same. I pay with a £20 note. My change is £7.76. What is the cost of one magazine?

Show your method


£

10. This table shows the number of people going to the local cinema each month.

March	45,619
April	52,985
May	49,021
June	50,092

- a) How many people, to the nearest thousand, went to the cinema in total over the four months?

Show your method


people

- b) What is the difference, to the nearest hundred, between the number of people who went to the cinema in March and April?

Show your method


people

2 marks



4 marks

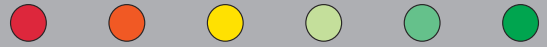


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# Self-Assessment

Colour in the superhero strength-o-meter to show how you feel about each of these statements:



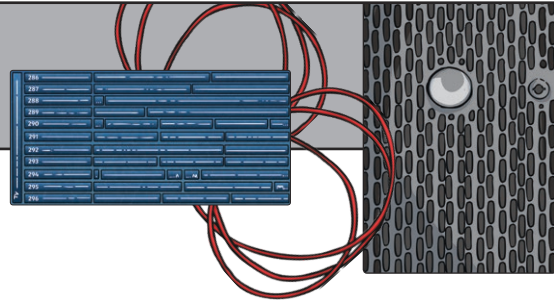
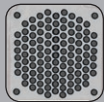
**Perform mental calculations, including with mixed operations and large numbers.**



**Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.**



**Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.**



## Comments