

Parent Guide



@twinklparents

We're excited to share this activity with you. If you are interested in finding more engaging, fun and interesting activities for you and your children, then check out these links to different areas of the [Twinkl Parents](#) website.

games



crafts



puzzles



experiments



word searches



What is this resource and how do I use it?

This booklet gives practice in using the column method for the written method of addition and subtraction with larger numbers. It also has a fun maze to add multiples of 1000 and some multi-step problems. This is a great way for your child to develop confidence and fluency using the column method.

What skills does this practise?

Addition and Subtraction

Formal Written Methods

Problem-Solving

Further Activity Ideas and Suggestions

Visit this category for more maths resources suitable for year 5. Your child might enjoy these [Cross Sum Puzzles](#) or these [Pride Flag Multiplication Mosaics](#). Try some problems in the kitchen with this [Ratio Recipe Booklet](#) or problems around [measures](#) or [temperatures](#).

Parents Blog



Twinkl Kids' TV

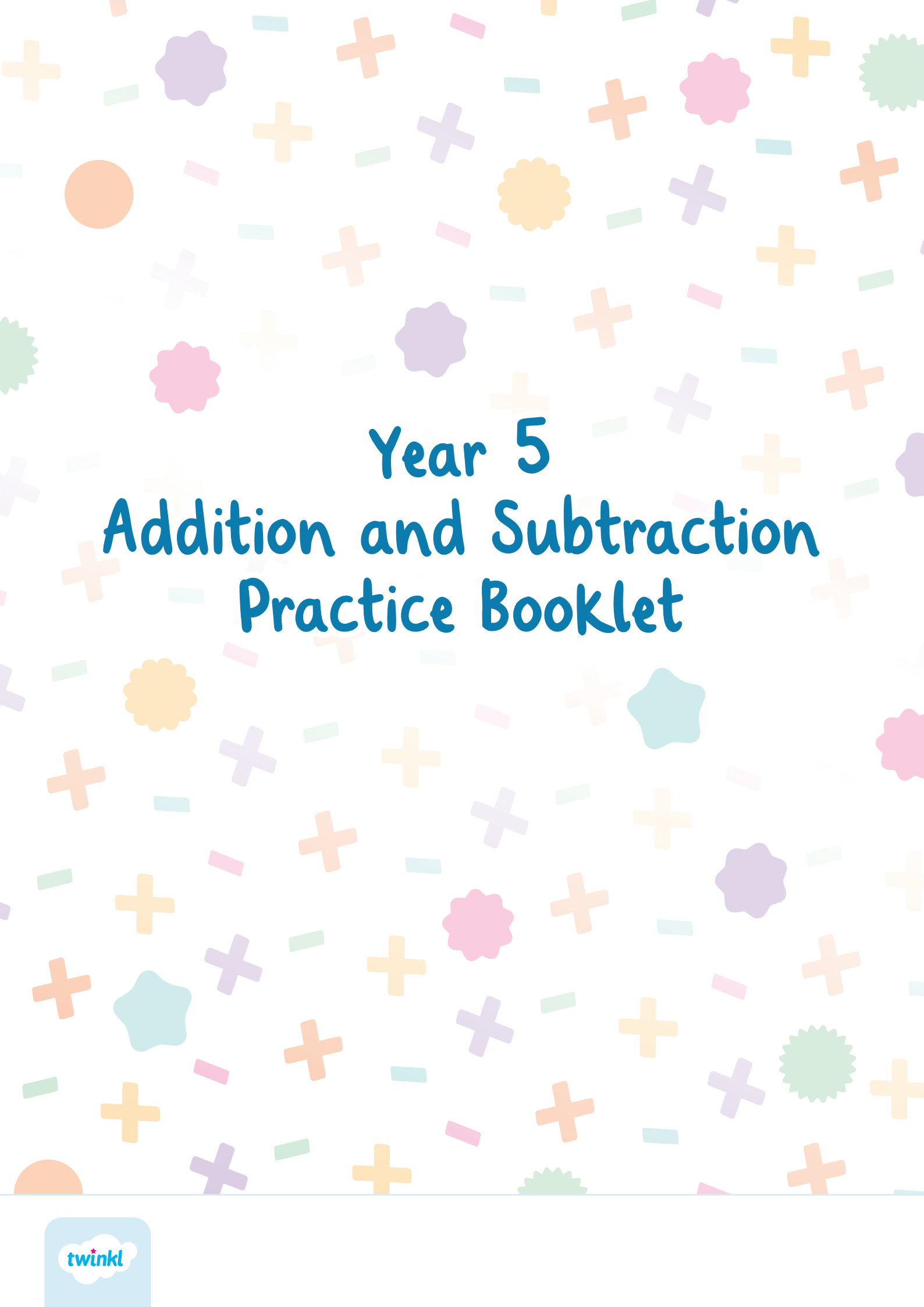


Homework Help



twinkl

Parents Hub



Year 5

Addition and Subtraction Practice Booklet

Subtraction Using Five-Digit Numbers

Solve these subtraction calculations using the column method. Some have been set out for you.

1 $79\,215 - 47\,604$

	TTh	Th	H	T	O
	7	9	2	1	5
-	4	7	6	0	4

2 $42\,968 - 23\,459$

	TTh	Th	H	T	O
	4	2	9	6	8
-	2	3	4	5	9

3 $10\,562 - 9863$

	TTh	Th	H	T	O
	1	0	5	6	2
-		9	8	6	3

4 $20\,911 - 18\,467$

	TTh	Th	H	T	O
	2	0	9	1	1
-	1	8	4	6	7

Subtraction Using Five-Digit Numbers

5

$$20\,455 - 13\,948$$

	TTh	Th	H	T	O
	2	0	4	5	5
-	1	3	9	4	8

6

$$21\,072 - 16\,979$$

	TTh	Th	H	T	O
-					

7

$$34\,042 - 16\,154$$

-					

8

$$50\,053 - 12\,576$$

9

$$52\,011 - 7962$$

10

$$70\,104 - 29\,696$$

Addition Using Five-Digit Numbers

Solve these addition calculations using the column method. Some have been set out for you.

1 $79\,241 + 31\,464$

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

Estimate:

2 $20\,643 + 19\,974$

	TTh	Th	H	T	O
	2	0	6	4	3
+	1	9	9	7	4

Estimate:

3 $29\,498 + 3715$

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

Estimate:

4 $98\,483 + 67\,914$

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

Estimate:

Addition Using Five-Digit Numbers

5

$$54\,196 + 984$$

	TTh	Th	H	T	O
+					

Estimate:

6

$$37\,968 + 98\,498$$

	TTh	Th	H	T	O
+					

Estimate:

7

$$70\,819 + 9347$$

+					

Estimate:

8

$$27\,643 + 29\,948$$

Estimate:

Addition Using Five-Digit Numbers

9

$$968 + 49\,497$$

Estimate:

10

$$59\,742 + 51\,659$$

Estimate:

Monique's Multiple Maze

Help Monique to find her way through the maze to the treasure by adding a multiple of 1000 each time. She can only move up, down, left or right.

Start					
811 323	815 323	815 332	813 323	814 323	819 323
812 232	817 323	818 323	820 323	824 323	825 323
919 232	918 323	820 232	820 320	825 320	826 323
840 320	840 323	837 323	835 323	832 323	829 323
840 432	842 323	836 323	835 230	832 232	830 320
843 323	844 323	849 323	848 323	832 320	850 323
850 323	838 323	851 323	851 232	849 232	838 332
	Finish				

Monique's Multiple Maze

Monique's treasure is some coins. The amount of coins is the difference between her start number and her finish number. How many coins does she receive?

Multi-Step Problems

Read each question carefully. Decide on the operations you will need to use to arrive at the answer and then complete each problem.

1

Fatima has made a huge piece of recycled artwork using bottle tops. She collected 32 764 bottle tops altogether. She used 9721 blue bottle tops, 4107 green ones and 13 728 red ones. Half of the ones left are black. How many are black?

Multi-Step Problems

2

The Roseman family either go out for dinner or have a takeaway every Friday evening. Last Friday, they spent £153.25 on a meal at the local Italian restaurant. The Friday before, they spent £62.87 on curries and last night, they had a Chinese meal, which cost £89.45. Mrs Roseman likes to spend under £350 a month on eating out. How much have they got to spend on the final Friday of the month?

3

Helena loves reading. So far this year, she has read two books each with 438 pages, a book with 525 pages, one with 371 pages and now she's halfway through a book, having read 639 pages so far. When she finishes her current book, how many pages will she have read altogether this year?

Multi-Step Problems

If she plans on reading at least 5000 pages this year, how many does she need to read by the end of the year?

- 4 Greentown is holding a party in the park to celebrate the summer. 10 050 tickets will be available. So far, 2382 adult tickets and 3197 child tickets have been purchased. How many more tickets are available?

Multi-Step Problems

- 5 Sammi makes a note of how many millilitres of water she drinks. At breakfast time, she drinks 327ml. At break time, she slurps 437ml. At lunchtime, she manages half a litre. She drinks another 365ml in the afternoon and at tea time she guzzles 0.4 litres. She says, "I need to drink 316ml to get to 2.5 litres. Is she correct?"

Addition and Subtraction Practice Booklet Answers

1. 79 215 - 47 604

	TTh	Th	H	T	O
	7	~~8~~ ¹²	~~1~~ ²	1	5
-	4	7	6	0	4
	3	1	6	1	1

2. 42 968 - 23 459

	TTh	Th	H	T	O
	~~3~~ ⁴	~~1~~ ²	9	~~5~~ ¹	~~8~~ ¹⁸
-	2	3	4	5	9
	1	9	5	0	9

3. 10 562 - 9863

	TTh	Th	H	T	O
	~~0~~ ¹	~~9~~ ¹⁰	~~14~~ ⁵	~~15~~ ⁶	2
-		9	8	6	3
	0	0	6	9	9

4. 20 911 - 18 467

	TTh	Th	H	T	O
	~~1~~ ²	10	~~8~~ ⁹	~~10~~ ¹	11
-	1	8	4	6	7
	0	2	4	4	4

5. 20 455 - 13 948

	TTh	Th	H	T	O
	~~1~~ ²	~~9~~ ¹⁰	14	~~4~~ ⁵	15
-	1	3	9	4	8
	0	6	5	0	7

6. 21 072 - 16 979

	TTh	Th	H	T	O
	~~1~~ ²	~~10~~ ¹	~~9~~ ¹⁰	~~16~~ ⁷	12
-	1	6	9	7	9
	0	4	0	9	3

7. 34 042 - 16 154

	TTh	Th	H	T	O
	~~2~~ ³	~~13~~ ⁴	~~9~~ ¹⁰	~~13~~ ⁴	12
-	1	6	1	5	4
	1	7	8	8	8

8. 50 053 - 12 576

	TTh	Th	H	T	O
	~~4~~ ⁵	~~9~~ ¹⁰	~~9~~ ¹⁰	~~14~~ ⁵	13
-	1	2	5	7	6
	3	7	4	7	7

9. 52 011 - 7962

	TTh	Th	H	T	O
	~~4~~ ⁵	~~11~~ ²	~~9~~ ¹⁰	~~10~~ ¹	11
-		7	9	6	2
	4	4	0	4	9

10. 34 042 - 16 154

	TTh	Th	H	T	O
	~~6~~ ⁷	~~9~~ ¹⁰	~~10~~ ¹	~~9~~ ¹⁰	14
-	2	9	6	9	6
	4	0	4	0	8

Addition and Subtraction Practice Booklet Answers

1. $79\,241 + 31\,464$

Estimate: $79\,000 + 31\,000 = 110\,000$

	TTh	Th	H	T	O
	7	9	2	4	1
+	3	1	4	6	4
1	1	0	7	0	5
	1		1		

2. $20\,643 + 19\,974$

Estimate: $21\,000 + 20\,000 = 41\,000$

	TTh	Th	H	T	O
	2	0	6	4	3
+	1	9	9	7	4
	4	0	6	1	7
	1	1	1		

3. $29\,498 + 3715$

Estimate: $29\,000 + 4000 = 33\,000$

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

4. $98\,483 + 67\,914$

Estimate: $98\,000 + 68\,000 = 166\,000$

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

5. $54\,196 + 984$

Estimate: $54\,000 + 1000 = 55\,000$

	TTh	Th	H	T	O
	5	4	1	9	6
+			9	8	4
	5	5	1	8	0
		1	1	1	

6. $37\,968 + 98\,498$

Estimate: $38\,000 + 98\,000 = 136\,000$

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

7. $70\,819 + 9347$

Estimate: $71\,000 + 9000 = 80\,000$

	TTh	Th	H	T	O
	7	0	8	1	9
+		9	3	4	7
	8	0	1	6	6
	1	1		1	

8. $27\,643 + 29\,948$

Estimate: $28\,000 + 30\,000 = 58\,000$

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

Addition and Subtraction Practice Booklet Answers

9. $968 + 49\,497$

Estimate: $1000 + 49\,000 = 50\,000$

	TTh	Th	H	T	O
			9	6	8
+	4	9	4	9	7
	5	0	4	6	5
	1	1	1	1	

10. $59\,742 + 51\,659$

Estimate: $60\,000 + 52\,000 = 112\,000$

	TTh	Th	H	T	O
	5	9	7	4	2
+	5	1	6	5	9
1	1	1	4	0	1
	1	1	1	1	

Addition and Subtraction Practice Booklet Answers

Start					
811 323	815 323	815 332	813 323	814 323	819 323
812 232	817 323	818 323	820 323	824 323	825 323
919 232	818 423	820 232	820 320	825 320	826 323
840 320	840 323	837 323	835 323	832 323	829 323
840 432	842 323	836 323	835 230	832 232	830 320
843 323	844 323	849 323	848 323	832 320	850 323
850 323	838 323	851 323	851 232	849 232	838 332
		Finish			

Monique's treasure is some coins. The amount of coins is the difference between her start number and her finish number. How many coins does she receive?

$851\ 323 - 811\ 323 = 40\ 000$ coins

Addition and Subtraction Practice Booklet Answers

Fatima has made a huge piece of recycled artwork using bottle tops. She collected 32 764 bottle tops altogether. She used 9721 blue bottle tops, 4107 green ones and 13 728 red ones. Half of the ones left are black. How many are black?

	TTh	Th	H	T	O
		9	7	2	1
+		4	1	0	7
	1	3	7	2	8
	2	7	5	5	6
	1	1		1	

	TTh	Th	H	T	O
	~~2~~	12	7	~~5~~	14
-	2	7	5	5	6
	0	5	2	0	8

Half of 5208 = 2500 + 100 + 4 = 2604 black bottle tops

The Roseman family either go out for dinner or have a takeaway every Friday evening. Last Friday, they spent £153.25 on a meal at the local Italian restaurant. The Friday before, they spent £62.87 on curries and last night, they had a Chinese meal, which cost £89.45. Mrs Roseman likes to spend under £350 a month on eating out. How much have they got to spend on the final Friday of the month?

£	1	5	3	.	2 5
	£	6	2	.	8 7
	£	8	9	.	4 5
£	3	0	5	5	7
	2	1	1	1	

	3	~~4~~	~~9~~	~~9~~	10
-	3	0	5	.	5 7
	0	4	4	4	3

The Roseman family have got £44.43 to spend on the final Friday of the month.

Addition and Subtraction Practice Booklet Answers

Helena loves reading. So far this year, she has read two books each with 438 pages, a book with 525 pages, one with 371 pages and now she's halfway through a book, having read 639 pages so far. When she finishes her current book, how many pages will she have read altogether this year?

			4	3	8
			4	3	8
			5	2	5
			3	7	1
			6	3	9
+			6	3	9
		3	0	5	0
			2	4	

If she plans on reading at least 5000 pages this year, how many does she need to read by the end of the year?

	TTh	Th	H	T	O
		~~4~~ 5	~~9~~ 10	10	0
-		3	0	5	0
		1	9	5	0

She needs to read 1950 more pages.

Addition and Subtraction Practice Booklet Answers

Greentown is holding a party in the park to celebrate the summer. 10 050 tickets will be available. So far, 2382 adult tickets and 3197 child tickets have been purchased. How many more tickets are available?

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

	TTh	Th	H	T	O
	~~0~~ 1	~~9~~ 0	~~9~~ 0	~~14~~ 5	10
-		5	5	7	9
		4	4	7	1

4471 more tickets are available.

Sammi makes a note of how many millilitres of water she drinks. At breakfast time, she drinks 327 ml. At break time, she slurps 437ml. At lunchtime, she manages half a litre. She drinks another 365ml in the afternoon and at tea time she guzzles 0.4 litres. She says, "I need to drink 316ml to get to 2.5 litres. Is she correct?"

	TTh	Th	H	T	O
			3	2	7
			4	3	7
			5	0	0
			3	6	5
+			4	0	0
		2	0	2	9
			1	1	

	TTh	Th	H	T	O
		2	~~4~~ 5	~~9~~ 0	10
-		2	0	2	9
		0	4	7	1

She is incorrect. She needs to drink 471ml to get to 2.5 litres.

Addition and Subtraction Activity Pack Answers

Callie works out the total number of visitors excluding the weekend days. Here is her working. Check her answer and give her some advice about her method.

					3	8	5
					7	2	4
					6	3	6
					5	9	8
		+			3	2	4
				2	5	5	7
					1	1	

Callie, you have done this well:

You have set out the column addition correctly, with one digit in each square and the digits are lined up with the hundreds, tens and ones in their own columns.

Some advice for you:

When you have carried over the tens and hundreds, you have not carried over the correct amount. In the ones column, the total is 27, so you should carry over 2 tens. This then changes the total in the tens column. In the tens column, the total is 24, then when you add the carried number, the total should be 26, not 25. You should place the 6 in the tens column and carry over the 2 hundred to the next column. You have only carried over 1 hundred.

Now complete the calculation correctly.

					3	8	5
					7	2	4
					6	3	6
					5	9	8
		+			3	2	4
				2	6	6	7
					2	2	

We hope you find the information on our website and resources useful. As far as possible, the contents of this resource are reflective of current professional research. However, please be aware that every child is different and information can quickly become out of date. The information given here is intended for general guidance purposes only and may not apply to your specific situation.



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