Inkleaf LEARNING

Name _____

Date _____

Year 3 Maths

Adding and subtracting.

I can add and subtract three-digit numbers using columns.

1 Warm Up

Line up the hundreds, tens and ones. Exchange when you need to.

	H	T	O
+	2	3	4
	1	5	2

	H	T	O
+	4	7	6
	3	1	8

	H	T	O
+	3	5	8
	2	6	7

	H	T	O
−	6	8	9
	2	4	5

	H	T	O
−	5	3	2
	2	1	7

	H	T	O
−	6	0	4
	3	5	8

2 Use It

Work out each problem in the grid under it. Show your working.

A school library has 342 books. It buys 157 more. How many books does it have now?

A theatre has 625 seats. 248 people are sitting down. How many seats are empty?

A farmer collects 186 eggs on Monday and 239 on Tuesday. How many eggs altogether? How many more on Tuesday?

3 Spot The Mistake

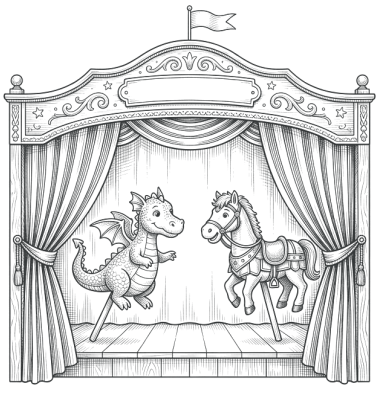
	H	T	O
−	4	5	3
	1	2	8

Ben says **453 − 128 = 335**. Is he right? Check it in the grid. What did he do wrong?

Challenge

Fill in the missing digits: **4 □ 7 + 2 □ 5 = 682**

Is there more than one answer? How many can you find, and how do you know you have found them all?



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For grown-ups: how to help, and the answers.

How To Help

- Say the digits by their value as they work: "two hundreds, three tens, four ones". It keeps the columns straight in their head.
- Ask for an estimate first. 342 + 157 is about 500, so an answer of 4,999 or 49 is a sign to check again.
- Check with the inverse. If 625 − 248 = 377, then 377 + 248 should make 625. Let them do the checking, not you.

Warm Up

1. 386
2. 794
3. 625
4. 444
5. 315
6. 246

Use It

1. 499 books
2. 377 seats
3. 425 eggs altogether, 53 more on Tuesday

Spot The Mistake

1. No. In the ones he did 8 − 3 instead of 3 − 8. He needed to exchange a ten: 13 − 8 = 5, leaving 4 tens, so 4 − 2 = 2. The answer is 325.

Challenge

1. 7 + 5 = 12, so a ten carries over. The two missing digits must add to 7: 0 and 7, 1 and 6, 2 and 5, 3 and 4, and the same pairs the other way round. That is 8 answers, e.g. 417 + 265 = 682.