# Adding Two 3-Digit Numbers - With Carrying

Calculate the answers to the following:

3 2 3	607	507	319
+ 5 1 8	+ 2 2 8	+ 4 6 3	+ 1 4 2
257	505	672	591
+ 7 0 6	+ 1 0 9	+ 2 4 3	+ 3 6 7
572	760	822	912
+ 3 3 6	+ 6 1 5	+ 3 4 5	+ 4 6 1
476	655	379	
+ 4 8 5	+ 7 3 8	+ 6 4 8	

Calculate the following calculations:

5 _ 8	641	4 5
+ 3	+ 7	+ 8 7 8
1 4 8 7	124	1_5



# Adding 4-Digit Numbers with Carrying

		LO:	I can add 4-dig	jit numbers	s with carrying.		
1	4078 + 7806	2	3020 + 7033	3	8389 + 2094	4	1938 + 8398
5	8784 +9969	6	8580 + 1887	7	9771 + 8489	8	5602 + 9250
٩	2851 +2330	10 	8976 + 7249	11	6942 + 3220	12	7238 + 5733
13	4265 + 8270	14 	8811 + 2787	15	1899 + 8179	16	6073 +6379
Chall 1	enge: 2_32 +31 _28_		96 -6_80 197	3	25_7 +_39_ 7_65	4	8_2_ +_060 _08_1



#### Written methods - subtraction

	н	т	U
	9	<sup>8</sup> X	<sup>1</sup> 4
-	2	7	8
	7	1	6

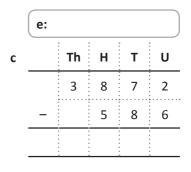
First we estimate: 1000 - 300 = 700We start with the units. We can't take 8 away from 4 so we must rename one of the tens as units. We now have 14 units. 14 subtract 8 is 6 so we put the 6 in the units column. 8 tens subtract 7 tens is 1 ten so we put a 1 in the tens column. We subtract the hundreds. 9 hundred subtract 2 hundred is 7 hundred. Put a 7 in the hundreds column. We check the answer against our estimate.

b





e:				
	Th	н	т	U
	2	9	5	1
-		8	7	8



When a problem asks us to find the difference, we subtract. We always start with the larger number.

> Th 🗄 н

Th 🗄 н

a How far from

Ringer?

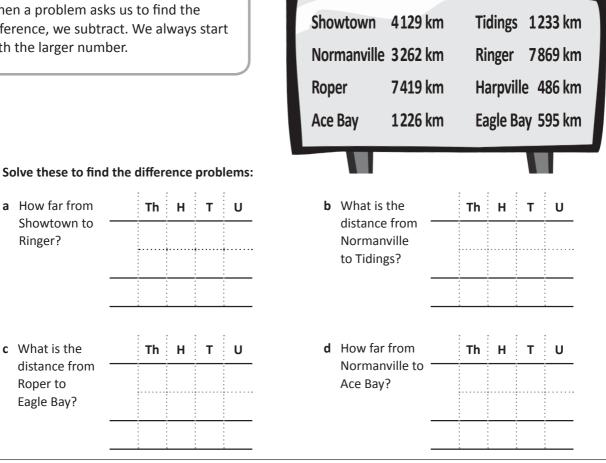
c What is the

Roper to

Eagle Bay?

distance from

Showtown to



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TOPIC

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# Subtracting Two 3-Digit Numbers - With Exchanging

Calculate the answers to the following:

4 5 1	8 4 0	472	481
- 2 1 8	- 525	- 2 3 8	- 323
690	726	427	519
- 526	+ 4 1 9	- 2 3 3	- 4 5 0
3 5 3	627	622	951
- 136	- 471	- 394	- 652

Calculate the following calculations:

73	7 0	0 1
- 4 7	- 29	- 4 8
8 1	1 6	3 3





# **Decimals Addition**

Work out the calculations.

α)	£3.45 + £5.92	•	£8.45 + £4.21	,	£4.11 + £6.47		
e)	£5.01 + £7.42		£6.42 + £2.98	57	6.55m <u>+ 8.25m</u>	,	1.44m + 6.77m
ί)	2.01m + 4.67m	37	1.67m + 6.19m	,	1.44m + 6.77m	,	
1) £4	.95 + £2.78 =			5) £1	24 + £3.11 =		
2) £5	.11 + £9.45 =			6) £5	5.32 + £6.41 =		
3) £4	.21 + £8.47 =			7) £6	0.14 + £1.48 =		
4) £6	.41 + £2.21 =			8) £8	.65 + £1.54 =		

1. I spent £7.43 in one shop and then spent £2.50 in another shop. How much did I spend altogether?





- 2. Jasmine had 1.35m of ribbon and her sister had 4.78m. How much ribbon did they have altogether?
- 3. Jacob is measuring his bedroom. It is an odd shape. The lengths of the walls are 5.4m, 4.3m, 7.3m and 7.9m. What is the total perimeter of his room?



m) 495 8372 86 <u>+2652</u>	g) 62 5916 +126	a) 5122 120 +309
n) 8278 6970 384 <u>+93</u>	h) 5783 3956 +276	b) 440 3055 +123
o) 844 9243 393 +23	i) 3769 277 + <u>3358</u>	c) qqqq 381 +222
p) 765 6937 926 <u>+2857</u>	j) 46 6928 94 +197	d) 79 927 <u>+3748</u>
q) 6847 946 855 +21	k) 4924 9376 834 +37	e) 2378 592 +92
r) 846 54 365 <u>+2395</u>	l) 9476 83 846 <u>+6254</u>	f) 2849 81 +317



#### Adding Ones to a 3-Digit Number

Calculate the answers to the following:

1.	136 + 3 =	13. 529 + 4 =	
	212 + 4 =		
3.	381 + 6 =	15. 713 + 8 =	
4.	494 + 5 =	16. 995 + 6 =	
5.	533 + 4 =	17. 165 + 7 =	
6.	620 + 7 =	18. 252 + 6 =	
7.	725 + 4 =	19. 395 + 9 =	
8.	952 + 7 =	20. 478 + 1 =	
9.	165 + 8 =	21. 546 + 7 =	
10.	224 + 7 =	22. 659 + 3 =	
11.	388 + 6 =	23. 765 + 3 =	
12.	478 + 5 =	24. 971 + 8 =	

# Challenge

Explain how you would use 7 + 8 = 15 to calculate 537 + 8.



### Subtracting Ones from a 3-Digit Number

Calculate the answers to the following:

	13. 571 - 5 =	=	1. 166 -
	14. 678 - 9 =	=	2. 295 -
	15. 722 - 6 =	=	3. 307 -
	16. 982 - 4 =	=	4. 489 -
	17. 122 - 6 =	=	5. 578 -
= 271	18. 279	=	6. 636 -
+ = 329	19	=	7. 794 -
	20. 459 - 3 =	=	8. 959 -
= 557	21. 566 +	=	9. 145 -
	22. 659 - 4 =	=	0. 213 -
	23. 779 - 5 =	=	11. 383 -
+ 8 = 944	24	=	2. 491 -

# Challenge

Explain how you would use 14 - 8 = 6 to calculate 384 - 8.



#### Adding Tens to a 3-Digit Number

Calculate the answers to the following:

	564 + 80 =		1. 153 + 30 =_	1.
	675 + 90 =		2. 272 + 20 =_	2.
	761 + 70 =	·	3. 301 + 60 =_	3.
	964 + 60 =		+. 413 + 70 =_	4.
= 172	102 +		5. 523 + 40 =_	5.
	282 + 60 =		5. 630 + 20 = <u> </u>	6.
+ 30 = 424			7. 737 + 50 =_	7.
	488 + 40 =	2	3. 939 + 60 =_	8.
	537 + 90 =	:	9. 142 + 80 =_	9.
+ 30 = 686		2	). 267 + 70 =_	10.
= 850	770 +	2	1. 398 + 60 = <u></u>	11.
	961 + 70 =	2	2. 451 + 50 =_	12.

# Challenge

Explain how you would use 7 + 8 = 15 to calculate 537 + 8.





#### Subtracting Tens from a 3-Digit Number

Calculate the answers to the following:

	13. 537 - 50 =	8 - 30 =	1.
	14. 612 - 70 =	2 - 40 =	2.
	15. 727 - 60 =	7 - 50 =	3.
	16. 933 - 90 =	5 - 70 =	4.
= 74	17. 134	1 - 40 =	5.
	18. 213 - 80 =	5 - 20 =	6.
70 = 276	19	7 - 50 =	7.
	20. 403 - 30 =	2 - 80 =	8.
- 90 = 486	21	1 - 80 =	9.
	22. 619 - 20 =	4 - 60 =	10.
= 647	23. 717	7 - 90 =	11.
	24. 941 - 50 =	3 - 30 =	12.

# Challenge

Explain what other calculations you might use 13 - 8 = 5.





#### Adding Hundreds to a 3-Digit Number

Calculate the answers to the following:

1.	163 + 500 =	13.	549 + 800 =	
2.	345 + 600 =	14.	672 + 700 =	
3.	582 + 400 =	15.	701 + 900 =	
4.	273 + 300 =	16.	927 + 600 =	
5.	561 + 200 =	17.	116 + 700 =	
6.	170 + 700 =	18.	352 +	= 1252
7.	207 + 500 =	19.	+ Z	+00 = 859
8.	719 + 100 =	20.	824 + 300 =	
9.	372 + 800 =	21.	562 + 900 =	
10.	460 + 700 =	22.	+	300 = 916
11.	508 + 900 =	23.	752 +	= 1552
12.	721 + 500 =	24.	911 + 700 =	

### Challenge

Explain how you would use 9 + 4 = 13 to calculate 931 + 400.



### Subtracting Hundreds from a Three Digit Number

Calculate the answers to the following:

1. 353 - 200 =	9. 268 - 200 =
	10. 416 - 100 =
3. 531 - 300 =	11. 547 - 300 =
4. 789 - 500 =	12. 346 - 100 =
5. 564 - 300 =	13. 564 - 400 =
6. 820 - 600 =	14. 893 - 600 =
7. 707 - 500 =	15. 507 - 500 =
8. 919 - 700 =	16. 919 - 400 =

# Challenge

Take any three digit number. You can subtract 100, 200, 300 or 400 once each, but you must not go below 0.

#### e.g. 672 - 100 = 572, 572 - 300 = 272, 272 - 200 = 72.

100, 300 and 200 were subtracted to get to 72.

Can you always get to a number between or equal to 100 and 1?

If you use as many sutractions as possible are there any patterns?

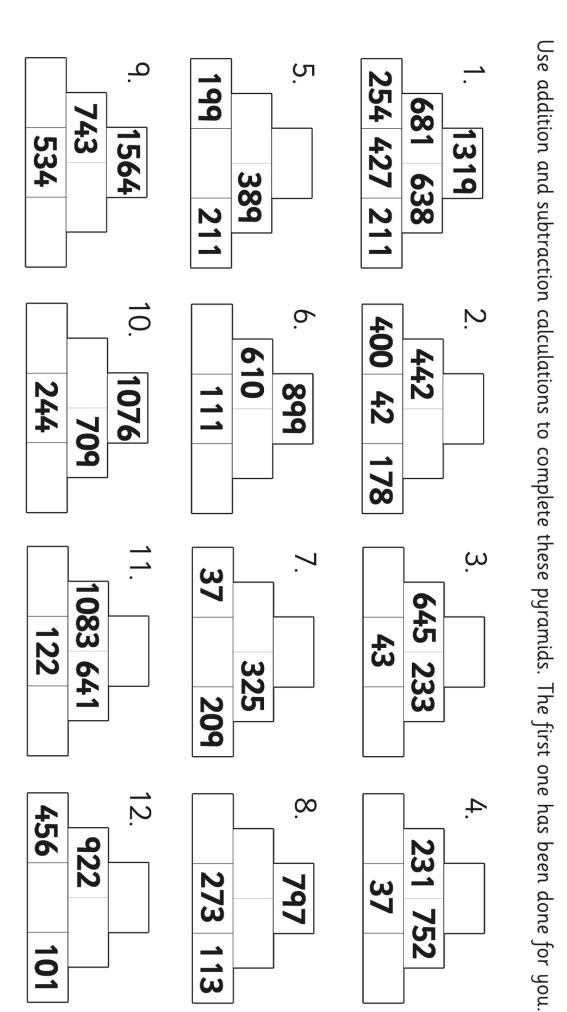


# Missing Number 3-Digit Addition

Calculate the missing numbers in these calculations.

+ <u>4 3 8</u>	1_9	27_	77	8_6
+ <u>4 7</u>	+8	+8_8	+_62	+_44
1 2 8	_524	_52	_154	129_
+ _ 8 9	37_	31	1_2	+ _ 8 8
+ 2 _ 1	+7_3	+_96	+69	+ <u>3 5 _</u>
4 5	36	_102	_115	_ 7 _ 7
+2 + _62 _1341	9_7 +6 1294	9 +31 1857	9_0 + <u>31_</u> 18	+ _ 2 _ 1 5 0 5
91_	5_0	6	09	1 _ 5
+3_5	+ _83	+45	+ <sub>7</sub>	+ _ 3 6
24	140_	1608		_ 8 5
55	53_	70	64	3_9
+_51	+8_9	+1_5	+ <u>5_8</u>	+_7_
76	79	88	82	1032
9_8	3_2	9_1	+ _ 9 7	434
+_41	+_2_	+_28	+ 5 _ 1	+ <u>8</u>
176_	577	163_	_ 7 6	58





**Addition Pyramids Worksheet 1** 



