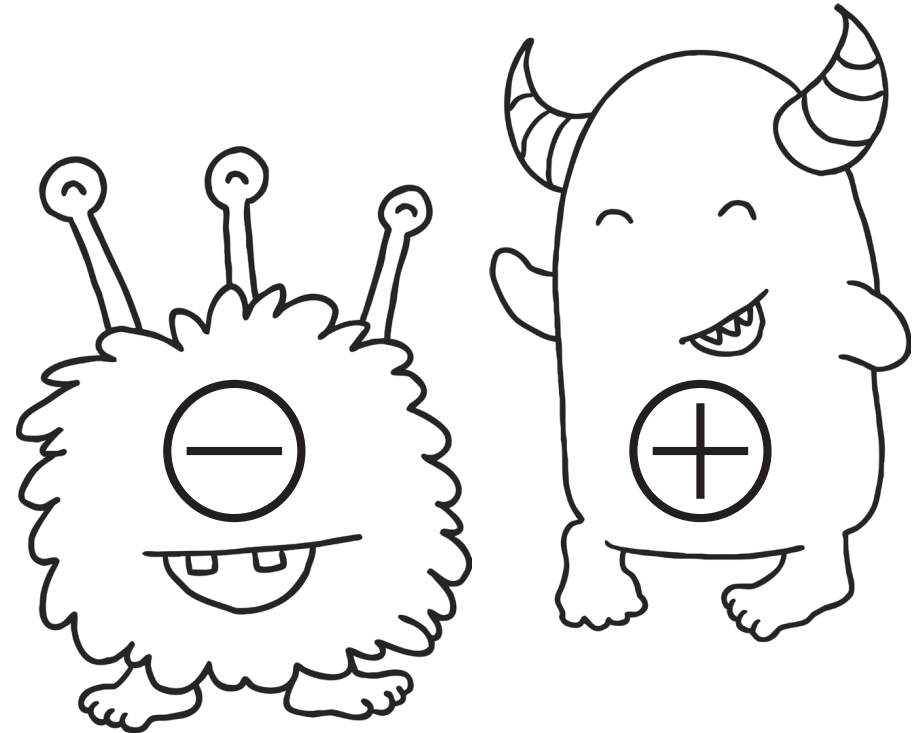




# Maths Addition and Subtraction Workbook - Answers

question	answer
1	294
2	205
3	155
4	725
5	93
6	961
7	247
8	£12.18
9	1216
10	577
11	£15.88
12	97
13	£333
14	519
15	467
<b>Challenge</b>	Various answers. Example is $289 + 476 + 135$ (Hint: try to make ones make 20 so carry 2 tens to make tens 18 + carried 2, and hundreds 7 + carried 2)



# Home Learning Maths Workbook Pack - Answers



## Year 3 Programme of Study – Addition and Subtraction

Statutory Requirements	Worksheet	Page Number	Notes
A 3-digit number and ones	Adding ones to a 3-digit number worksheet	4	
	Subtracting ones from a 3-digit number worksheet	5	
A 3-digit number and tens	Adding tens to a 3-digit number worksheet	6	
	Subtracting tens from a 3-digit number worksheet	7	
A 3-digit number and hundreds.	Adding hundreds to a 3-digit number worksheet	8	
	Subtracting hundreds from a 3-digit number worksheet	9	
Add and subtract numbers with up to 3-digits, using formal written methods of columnar addition and subtraction.	Adding 3 and 2-digit numbers in a column with no carrying answers	10	
	Adding 3 and 2-digit numbers in a column with carrying answers	11	
	Subtracting 2-digit numbers from 3-digit numbers in a column with no exchanging	12	
	Subtracting 2-digit numbers from 3-digit numbers in a column with exchanging worksheet	13	
	Adding two 3-digit numbers in a column with no carrying answers	14	
	Adding two 3-digit numbers in a column with carrying answers worksheet	15	
	Subtracting 3-digit numbers from 3-digit numbers in a column with no exchanging worksheet	16	
	Subtracting 3-digit numbers from 3-digit numbers in a column with exchanging worksheet	17	

question	answer
1	559 books
2	74 football cards
3	421 miles
4	705 runs
5	£3.82
6	807 books
7	247 miles
8	£4.51
9	835g
10	847 bottles of lemonade
<b>Challenge</b>	
	Jay is correct because he is finding the difference. Abi's calculation would be to find how many altogether. Pupils' might demonstrate using a bar model to explain their reasoning.



## Exemplary Calculation Procedure: Answers

question	answer			
<b>Addition:</b>				
	My Estimate	Calculation	Answer close to estimate	Check with Inverse
1	40 + 20 = 60	39 + 23 = 62	60/62 = Yes!	62 - 23 = 39 or 62 - 39 = 23
2	20 + 50 = 70	18 + 54 = 72	70/72 = Yes!	72 - 18 = 54 or 72 - 54 = 18
3	70 + 50 = 120	67 + 54 = 121	120/121 = Yes!	121 - 54 = 67 or 121 - 67 = 54
4	130 + 40 = 170	126 + 43 = 169	170/169 = Yes!	169 - 43 = 126 or 169 - 126 = 43
5	220 + 130 = 350	218 + 133 = 351	350/351 = Yes!	351 - 133 = 218 or 351 - 218 = 133
<b>Subtraction:</b>				
	My Estimate	Calculation	Answer close to estimate	Check with Inverse
1	60 - 20 = 40	59 - 22 = 37	40/37 = Yes!	22 + 37 = 59
2	100 - 20 = 80	97 - 18 = 79	80/79 = Yes!	79 + 18 = 97
3	130 - 30 = 100	126 - 32 = 94	100/94 = Yes!	94 + 32 = 126
4	190 - 50 = 140	188 - 52 = 136	140/136 = Yes!	136 + 52 = 188
5	350 - 170 = 180	352 - 169 = 183	180/183 = Yes!	169 + 183 = 352

Statutory Requirements	Worksheet	Page Number	Notes
Estimate the answer to a calculation and use inverse operations to check answers.	Inverse checking 2-digit by 2-digit mixed with carrying and exchanging choice of method worksheet	18	
	Inverse checking 3-digit by 2-digit mixed with carrying and exchanging choice of method worksheet	19	
	Inverse checking 3-digit by 3-digit mixed with carrying and exchanging worksheet	20	
	Inverse create addition and subtraction calculations from a set of 3 numbers worksheet	21	
	Estimating Answers Worksheet	22	
Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.	Exemplary Calculation Procedure	23	
	Addition and subtraction word problems worksheet year 3	24	
	Addition and subtraction using worded calculations year 3	25	

## Adding Ones to a 3 Digit Number: Answers



question	answer
1	139
2	216
3	387
4	499
5	537
6	627
7	729
8	959
9	173
10	231
11	394
12	483
13	533
14	654
15	721
16	1001
17	172
18	258
19	404
20	479
21	553
22	662
23	768
24	979
<b>Challenge</b>	
	$7 + 8 = 15$ so $37 + 8 = 45$ so $537 + 8 = 545$

## Estimating Answers: Answers

question	answer
<b>Estimating Addition:</b>	
1	$30 + 60 = 90$
2	$20 + 30 = 50$
3	$50 + 50 = 100$
4	$80 + 30 = 110$
5	$90 + 30 = 120$
6	$60 + 90 = 150$
7	$130 + 20 = 150$
8	$90 + 110 = 200$
9	$130 + 150 = 280$
10	$350 + 280 = 630$
<b>Estimating Subtraction:</b>	
1	$60 - 30 = 30$
2	$80 - 20 = 60$
3	$100 - 50 = 50$
4	$120 - 30 = 90$
5	$130 - 30 = 100$
6	$230 - 90 = 140$
7	$130 - 20 = 110$
8	$290 - 110 = 180$
9	$260 - 150 = 110$
10	$350 - 280 = 70$



question	answer
1	$601 : 601 - 356 = 245$
2	$215 : 215 + 347 = 562$
3	$244 : 244 + 459 = 703$
4	$898 : 898 - 389 = 509$ or $898 - 509 = 389$
5	$539 : 539 + 286 = 825$
6	$991 : 991 - 319 = 672$ or $991 - 672 = 319$
7	$801 : 801 - 209 = 592$ or $801 - 592 = 209$
8	$526 : 526 + 387 = 913$
<b>Challenge</b>	
	$1324 : 1324 - 265 = 1059$ , $1059 - 518 = 541$

question	answer
1	163
2	291
3	302
4	482
5	574
6	634
7	791
8	951
9	137
10	206
11	378
12	487
13	566
14	669
15	716
16	978
17	116
18	8
19	336
20	456
21	9
22	655
23	774
24	952
<b>Challenge</b>	
	$14 - 8 = 6$ so $84 - 8 = 76$ so $384 - 8 = 376$



question	answer
1	183
2	292
3	361
4	483
5	563
6	650
7	787
8	999
9	222
10	337
11	458
12	501
13	644
14	765
15	831
16	1024
17	70
18	342
19	394
20	528
21	627
22	656
23	80
24	1031
<b>Challenge</b>	
	$8 + 6 = 14$ so $80 + 60 = 140$ so $83 + 60 = 143$ so $700 + 143 = 843$

question	answer
1	$498 : 498 - 419 = 79$ or $498 - 79 = 419$
2	$551 : 57 + 551 = 608$
3	$388 : 49 + 388 = 437$
4	$460 : 460 - 372 = 88$ or $460 - 88 = 372$
5	$627 : 627 + 46 = 673$
6	$563 : 563 - 49 = 514$ or $563 - 514 = 49$
7	$683 : 683 - 97 = 586$ or $683 - 586 = 97$
8	$896 : 74 = 896 = 970$
<b>Challenge</b>	
	$452 : 452 - 365 = 87$ or $452 - 87 = 365$



question	answer
1	121 : 121 - 45 = 76 or 121 - 76 = 45
2	59 : 59 + 38 = 97
3	24 : 24 + 48 = 72
4	120 : 120 - 38 = 64 or 102 - 64 = 38
5	17 : 17 + 65 = 82
6	95 : 95 - 46 = 49 or 95 - 49 = 46
7	152 : 152 - 59 = 93 or 152 - 93 = 59
8	39 : 29 + 39 = 68
<b>Challenge</b>	
	136 : 136 - 35 = 101, 101 - 54 = 47

question	answer
1	148
2	242
3	327
4	425
5	541
6	605
7	717
8	912
9	51
10	164
11	267
12	383
13	487
14	542
15	667
16	843
17	60
18	133
19	346
20	373
21	576
22	599
23	70
24	891
<b>Challenge</b>	
	130 - 80 = 50 or 230 - 80 = 150



question	answer
1	663
2	945
3	982
4	573
5	761
6	870
7	707
8	819
9	1172
10	1160
11	1408
12	1221
13	1349
14	1372
15	1601
16	1527
17	816
18	900
19	1124
20	459
21	1462
22	616
23	800
24	1611
<b>Challenge</b>	
	900 + 400 = 1300 so 931 + 400 = 1331

question	answer
1	233
2	315
3	234
4	158
5	164
6	307
7	194
8	69
9	217
10	156
11	228
12	299
<b>Challenge</b>	
1	738 - 457 = 281
2	470 - 294 = 176
3	801 - 468 = 333





question	answer
1	254
2	221
3	321
4	232
5	323
6	61
7	600
8	132
9	162
10	216
11	413
12	517
13	210
14	222
15	148
<b>Challenge</b>	
1	$347 - 214 = 133$
2	$548 - 302 = 246$
3	$794 - 360 = 434$

question	answer
1	153
2	16
3	231
4	289
5	264
6	220
7	207
8	219
9	68
10	316
11	247
12	246
13	164
14	293
15	7
16	519
<b>Challenge</b>	
	The principle of this activity is using 1, 2, 3 and 4 to make all numbers to 9 (1, 2, 3, 4, 4+1 or 3+2, 1+2+3 or 4+2, 1+2+4 or 3+4, 1+3+4, 2+3+4). Use these to make the required multiples of 100.



question	answer
1	579
2	275
3	388
4	688
5	186
6	894
7	579
8	298
9	588
10	679
11	649
12	378
13	489
14	197
15	393
<b>Challenge</b>	
1	$452 + 15 = 467$
2	$753 + 43 = 796$
3	$828 + 21 = 849$

question	answer
1	841
2	835
3	970
4	461
5	963
6	614
7	915
8	958
9	908
10	1375
11	1167
12	1373
13	961
14	1393
15	1027
<b>Challenge</b>	
1	$548 + 939 = 1487$
2	$641 + 573 = 1214$
3	$475 + 878 = 1353$

**Adding Two 3 Digit Numbers - No Carrying: Answers**



question	answer
1	787
2	676
3	767
4	787
5	869
6	907
7	785
8	798
9	438
10	486
11	997
12	563
13	879
14	389
15	999
<b>Challenge</b>	
1	$402 + 35 = 437$
2	$941 + 45 = 986$
3	$725 + 22 = 747$

**Adding 3 and 2 Digit Numbers With Carrying: Answers**

question	answer
1	691
2	482
3	373
4	653
5	165
6	890
7	714
8	648
9	328
10	742
11	737
12	438
13	521
14	232
15	405
<b>Challenge</b>	
1	$382 + 55 = 437$
2	$747 + 47 = 796$
3	$878 + 65 = 943$

## Subtracting 2 Digit Numbers from 3 Digit Numbers No Exchanging Answers

question	answer
1	461
2	312
3	523
4	440
5	732
6	551
7	620
8	502
9	262
10	605
11	622
12	336
Challenge	
1	$357 - 55 = 302$
2	$547 - 32 = 515$
3	$898 - 65 = 833$

## Subtracting 2 Digit Numbers from 3 Digit Numbers With Exchanging: Answers

question	answer
1	325
2	616
3	405
4	435
5	604
6	318
7	382
8	461
9	95
10	591
11	543
12	863
Challenge	
1	$252 - 32 = 202$
2	$473 - 24 = 449$
3	$891 - 67 = 824$