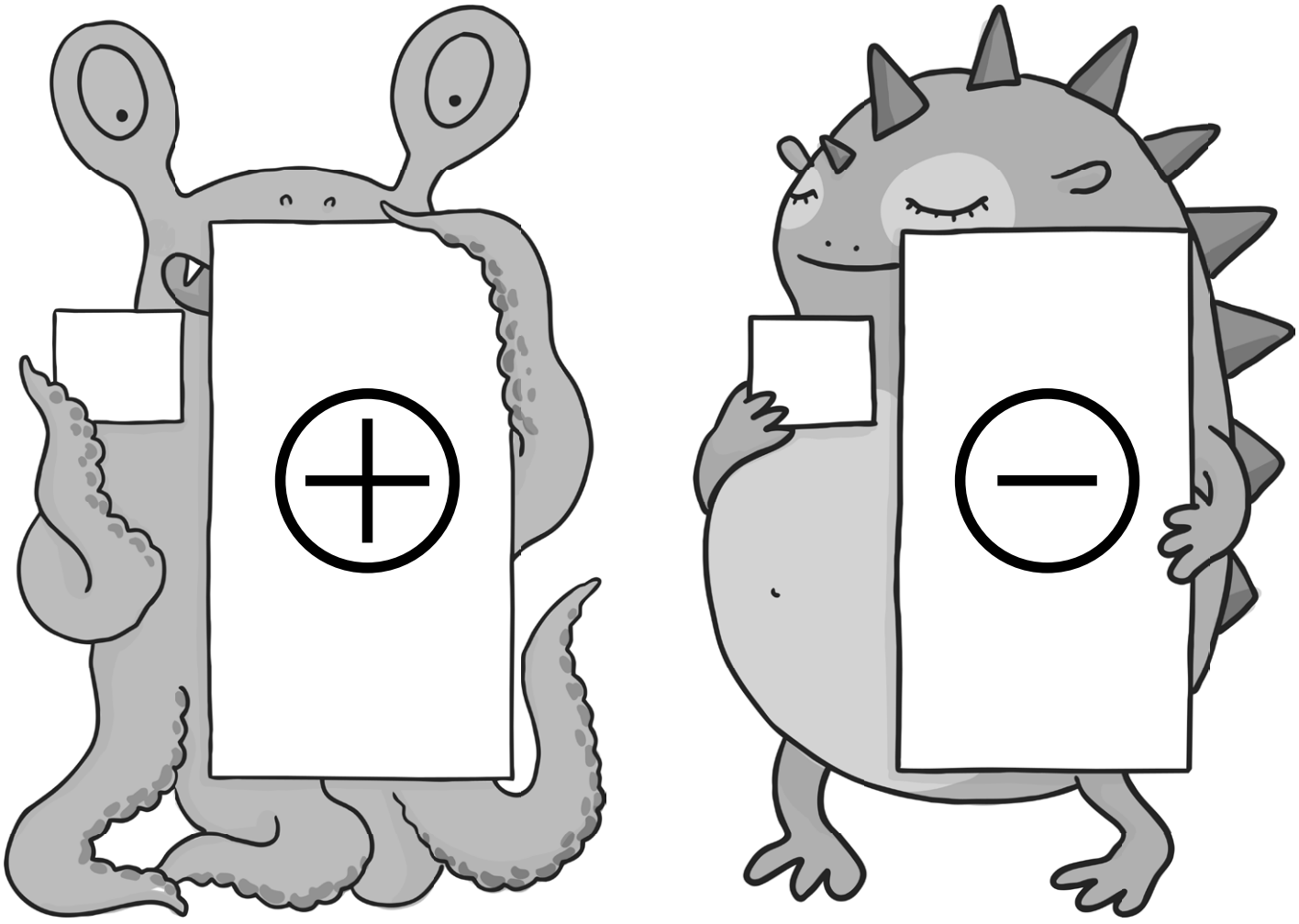
Year 4 Maths Addition and Subtraction Workbook - Answers



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Year 4 Programme of Study – Addition and Subtraction

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Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate	Large Numbers Addition Worksheet	3	
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Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.	Multi-step Problems Around the World Flights	12	
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Large Numbers Addition Worksheet: Answers

question	answer
a	5551
b	3618
c	10 602
d	4754
e	3062
f	3247
g	6104
h	10 015
i	7404
j	7265
k	15 171
l	16 659
m	11 605
n	15 725
o	10 503
p	11 485
q	8669
r	3660

Missing Number 3-Digit Addition

Calculate the missing numbers in these calculations.

838 + 447 = 1285	139 + 385 = 524	274 + 878 = 1152	877 + 672 = 1549	846 + 444 = 1290
189 + 261 = 450	373 + 763 = 1136	131 + 961 = 1092	182 + 969 = 1151	388 + 359 = 747
712 + 629 = 1341	927 + 367 = 1294	926 + 931 = 1857	900 + 318 = 1218	878 + 627 = 1505
919 + 305 = 1224	520 + 883 = 1403	663 + 945 = 1608	209 + 780 = 989	115 + 736 = 851
151 + 521 = 672	530 + 849 = 1379	703 + 185 = 888	644 + 538 = 1182	359 + 673 = 1032
928 + 841 = 1769	352 + 225 = 577	911 + 728 = 1639	197 + 571 = 768	434 + 824 = 1258

Addition Pyramids Worksheet 1

Use addition and subtraction calculations to complete these pyramids. The first one has been done for you.

1.

		1319		
	681		638	
254		427		211

2.

		662		
	442		220	
400		42		178

3.

		878		
	645		233	
602		43		190

4.

		983		
	231		752	
194		37		715

5.

		766		
	377		389	
199		178		211

6.

		899		
	610		289	
499		111		178

7.

		478		
	153		325	
37		116		209

8.

		797		
	411		386	
138		273		113

9.

		1564		
	743		821	
209		534		287

10.

		1076		
	367		709	
123		244		465

11.

		1724		
	1083		641	
961		122		519

12.

		1489		
	922		567	
456		466		101

Addition Pyramids Worksheet 2

Use addition and subtraction calculations to complete these pyramids.

1.

	150	
80		70
50	30	40

2.

	210	
100		110
60	40	70

3.

	250	
140		110
80	60	50

4.

	270	
120		150
30	90	60

5.

	250	
170		80
120	50	30

6.

	450	
250		200
120	130	70

7.

	450	
270		180
220	50	130

8.

	200	
105		95
35	70	25

9.

	290	
135		155
65	70	85

10.

	320	
195		125
125	70	55

11.

	540	
325		215
255	70	145

12.

	495	
260		235
85	175	60

Addition Pyramids Worksheet 3

Use addition and subtraction calculations to complete these pyramids.

1.

	865	
470		395
320	150	245

2.

	785	
340		445
210	130	315

3.

	815	
370		445
105	265	180

4.

	715	
340		375
205	135	240

5.

	810	
465		345
345	120	225

6.

	899	
595		304
315	280	24

7.

	1450	
815		635
440	375	260

8.

	1260	
845		415
710	135	280

9.

	1590	
955		635
580	375	260

10.

	1900	
835		1065
365	470	595

11.

	1370	
755		615
575	180	435

12.

	2500	
1345		1155
965	380	775

Repeated Subtraction of a Factor: Answers

question	answer				
1	136	102	68	34	0
2	588	441	294	147	0
3	1448	1086	724	362	0
4	1716	1287	858	429	0
5	5704	4278	2852	1426	0

657 − 359 = 298	736 − 452 = 284	871 − 199 = 672
919 − 878 = 41	1369 − 275 = 1094	2612 − 1758 = 854
3269 − 1652 = 1617	5412 − 693 = 4719	8008 − 4782 = 3226

Estimate Answers Speed Challenge: Answers

question	answer			
	List 1 Allowable Range = 10	**List 2** Allowable Range = 50	**List 3** Allowable Range = 50	**List 4** Allowable Range = 500
1	50 - 60	150 - 200	200 - 300	2250 - 2750
2	65 - 75	150 - 200	200 - 300	4000 - 4500
3	85 - 95	200 - 250	450 - 550	7750 - 8250
4	75 - 85	225 - 275	550 - 650	7750 - 8250
5	135 - 145	300 - 350	450 - 550	10 000 - 10 500
6	110 - 120	350 - 400	650 - 750	7500 - 8000
7	140 - 150	425 - 475	750 - 850	9750 - 10 250
8	165 - 175	575 - 625	950 - 1050	5500 - 6000
9	175 - 185	540 - 590	1250 - 1350	10 250 - 10 750
10	190 - 200	1025 - 1075	1275 - 1375	13 000 - 13 500

Using Inverse Operations to Check Addition and Subtraction Calculations: Answers

question	answer	
A.		
1	459 – 446 = 13	**Wrong!**
2	75 + 69 = 144	**Correct!**
3	826 – 459 = 367	**Correct!**
4	182 + 596 = 778	**Wrong!**
5	1662 - 1378 = 284	**Wrong!**
6	942 + 478 = 1420	**Wrong!**
7	4299 – 1512 = 2787	**Wrong!**
8	770 + 1687 = 2457	**Correct!**

Around the World Flights: Answers

question	answer
1	£389 + £258 = £647 £1000 - £647= **£353 change**
2	£701 + £538 = £1239 £1239 - £1197 = **£42 saving**
3	£701 + £200 = £901 £1000 - £901 = **£99**
4	Buenos Aires – Cairo - Tokyo £637 + £452 = £1089 ***CHEAPEST*** Buenos Aires – New York – London – Cairo – Tokyo £299 + £389 + £258 + £452 = £1398
5	Via London = £389 + £701 = £1090 ***CHEAPEST*** / Via Cairo = £676 + £452 = £1128
6	London – Cairo – New York – London £258 + £676 + £389 = £1323 £1500 - £1323 = **£177**

Solving Two Step Addition and Subtraction Word Problems: Answers

question	answer	
1	£286 - (39 + £59)	**£188 more to save**
2	900 - (687 + 174)	**39 people**
3	(875 - 323) + 875	**1427 packets of crisps**
4	£1760 - (1485 + £217)	**£58 less**
5	2015 - (1564 + 52)	**399 years**