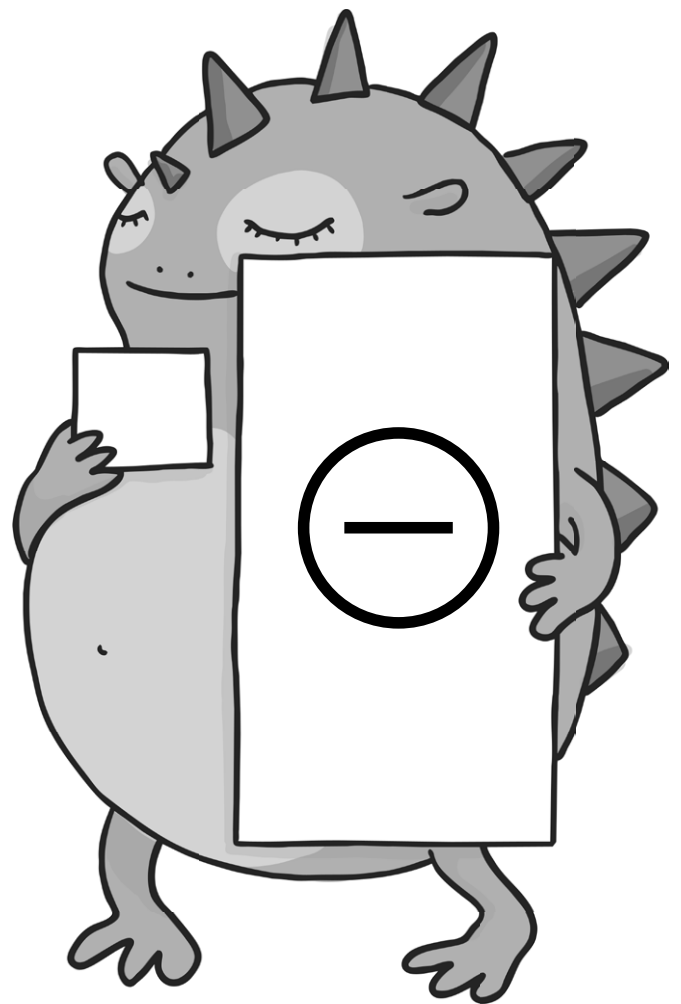
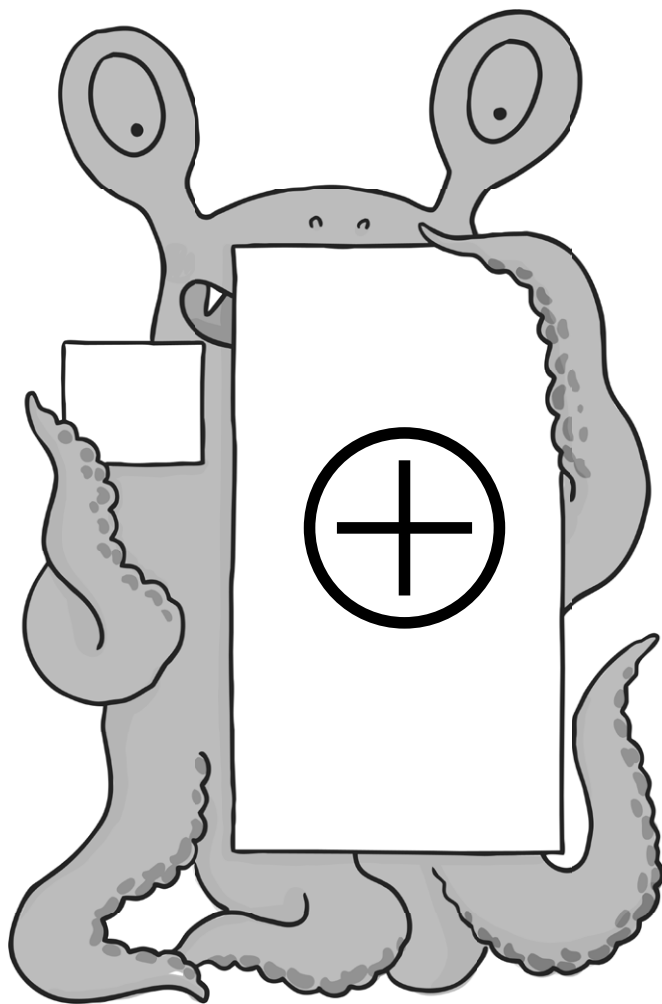


Year 4 Maths Addition and Subtraction Workbook - Answers



Year 4 Maths Addition and Subtraction Workbook - Answers

Year 4 Programme of Study – Addition and Subtraction

Statutory Requirements	Worksheet	Page Number	Notes
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	
	Missing Number Three Digit Addition	4	
	Addition Pyramids Worksheet 2	5 - 7	
	Repeated Subtraction of a Factor	8	
	Find Missing Numbers in Column Subtraction Sums	9	
Estimate and use inverse operations to check answers to a calculation	Estimate Answers Speed Challenge	10	
	Using Inverse Operations to check Addition and Subtraction Calculations	11	
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	
	Solving Two Step Addition and Subtraction Word Problems	13	

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.

$$\begin{array}{r} \underline{838} \\ + \underline{447} \\ \hline 1285 \end{array}$$

$$\begin{array}{r} \underline{139} \\ + \underline{385} \\ \hline 524 \end{array}$$

$$\begin{array}{r} \underline{274} \\ + \underline{878} \\ \hline 1\ 152 \end{array}$$

$$\begin{array}{r} \underline{877} \\ + \underline{672} \\ \hline 1549 \end{array}$$

$$\begin{array}{r} \underline{846} \\ + \underline{444} \\ \hline 1290 \end{array}$$

$$\begin{array}{r} \underline{189} \\ + \underline{261} \\ \hline 450 \end{array}$$

$$\begin{array}{r} \underline{373} \\ + \underline{763} \\ \hline 1\ 1\ 36 \end{array}$$

$$\begin{array}{r} \underline{131} \\ + \underline{961} \\ \hline 1092 \end{array}$$

$$\begin{array}{r} \underline{182} \\ + \underline{969} \\ \hline 1151 \end{array}$$

$$\begin{array}{r} \underline{388} \\ + \underline{359} \\ \hline 747 \end{array}$$

$$\begin{array}{r} \underline{712} \\ + \underline{629} \\ \hline 1341 \end{array}$$

$$\begin{array}{r} \underline{927} \\ + \underline{367} \\ \hline 1294 \end{array}$$

$$\begin{array}{r} \underline{926} \\ + \underline{931} \\ \hline 1857 \end{array}$$

$$\begin{array}{r} \underline{900} \\ + \underline{318} \\ \hline 1\ 218 \end{array}$$

$$\begin{array}{r} \underline{878} \\ + \underline{627} \\ \hline 1505 \end{array}$$

$$\begin{array}{r} \underline{919} \\ + \underline{305} \\ \hline 1\ 224 \end{array}$$

$$\begin{array}{r} \underline{520} \\ + \underline{883} \\ \hline 1403 \end{array}$$

$$\begin{array}{r} \underline{663} \\ + \underline{945} \\ \hline 1608 \end{array}$$

$$\begin{array}{r} \underline{209} \\ + \underline{780} \\ \hline 989 \end{array}$$

$$\begin{array}{r} \underline{115} \\ + \underline{736} \\ \hline 851 \end{array}$$

$$\begin{array}{r} \underline{151} \\ + \underline{521} \\ \hline 672 \end{array}$$

$$\begin{array}{r} \underline{530} \\ + \underline{849} \\ \hline 1\ 379 \end{array}$$

$$\begin{array}{r} \underline{703} \\ + \underline{185} \\ \hline 888 \end{array}$$

$$\begin{array}{r} \underline{644} \\ + \underline{538} \\ \hline 1\ 182 \end{array}$$

$$\begin{array}{r} \underline{359} \\ + \underline{673} \\ \hline 1032 \end{array}$$

$$\begin{array}{r} \underline{928} \\ + \underline{841} \\ \hline 1769 \end{array}$$

$$\begin{array}{r} \underline{352} \\ + \underline{225} \\ \hline 577 \end{array}$$

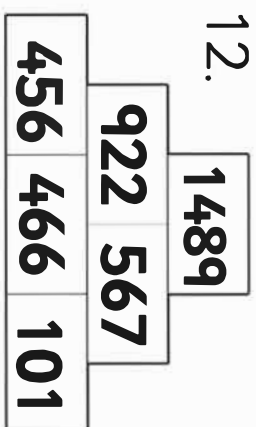
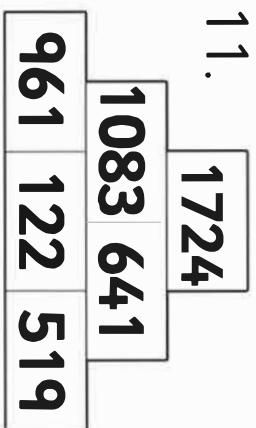
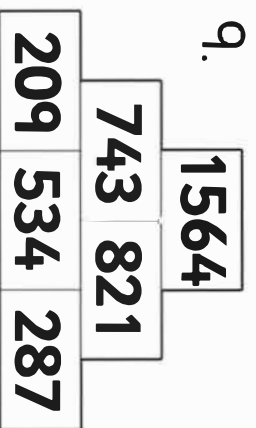
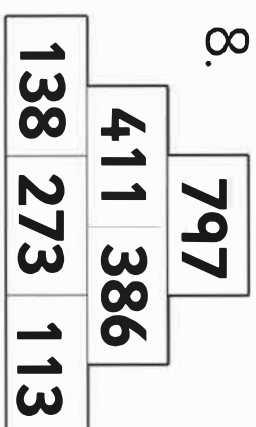
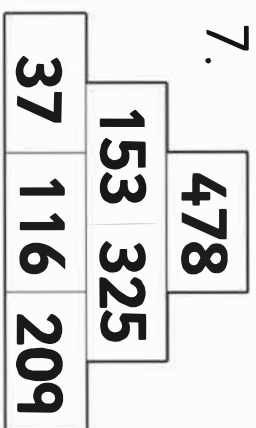
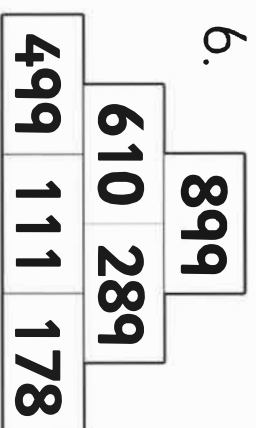
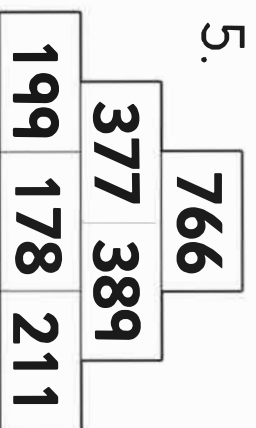
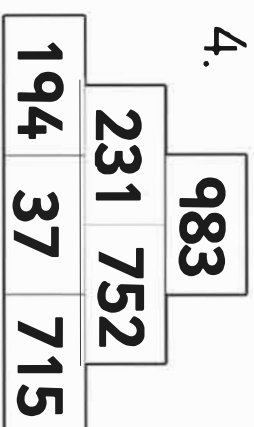
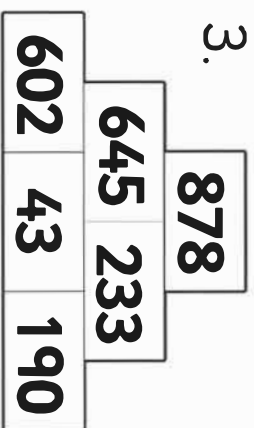
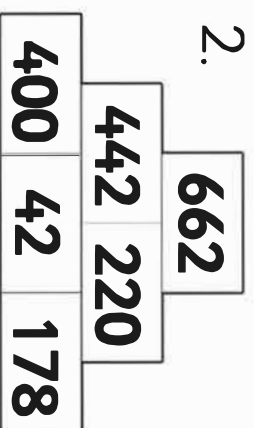
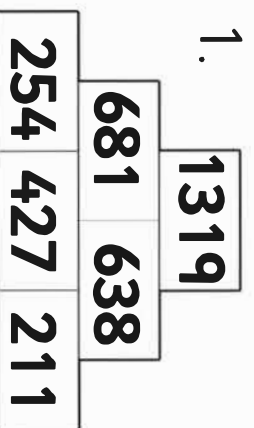
$$\begin{array}{r} \underline{911} \\ + \underline{728} \\ \hline 1639 \end{array}$$

$$\begin{array}{r} \underline{197} \\ + \underline{571} \\ \hline 768 \end{array}$$

$$\begin{array}{r} \underline{434} \\ + \underline{824} \\ \hline 1\ 258 \end{array}$$

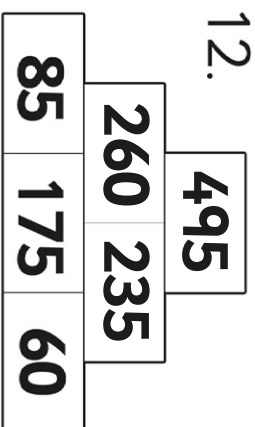
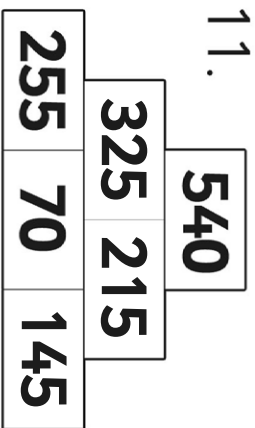
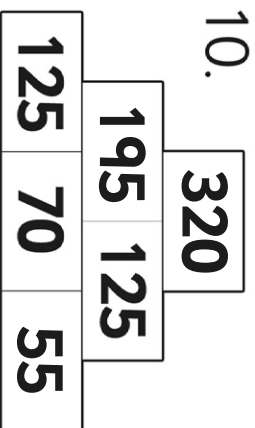
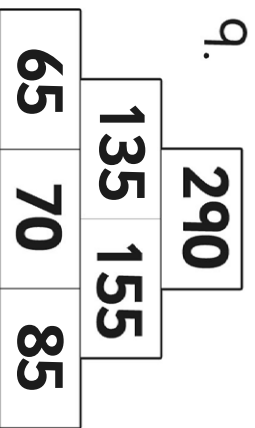
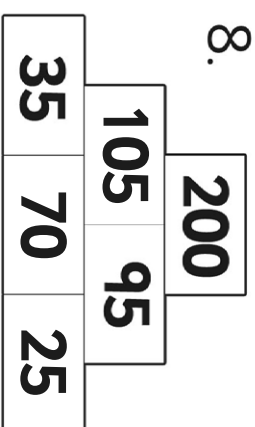
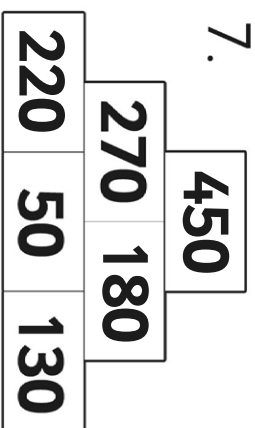
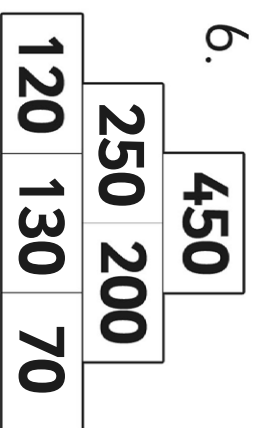
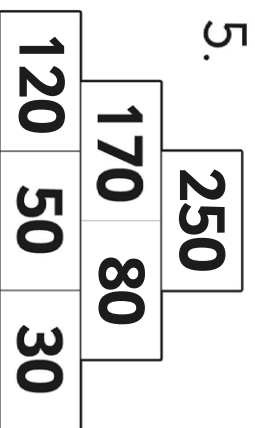
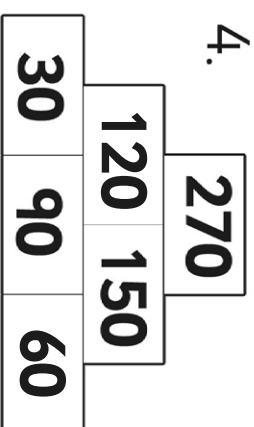
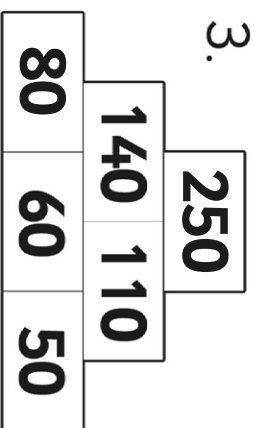
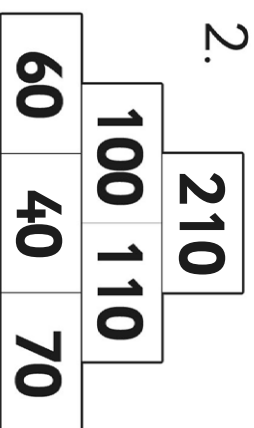
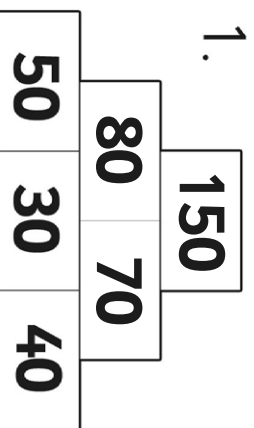
Addition Pyramids Worksheet 1

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



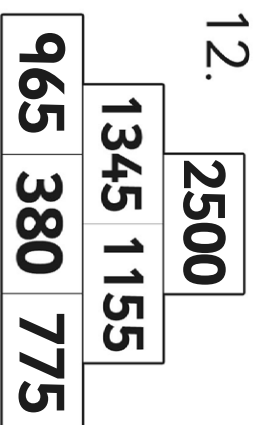
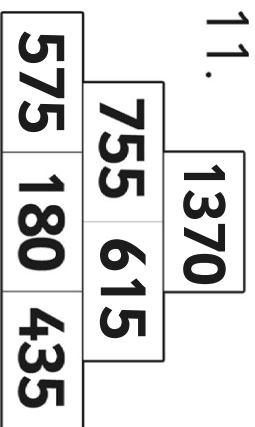
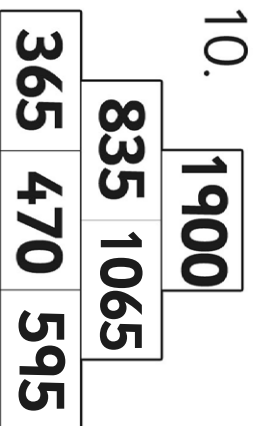
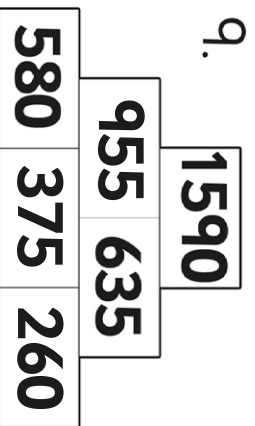
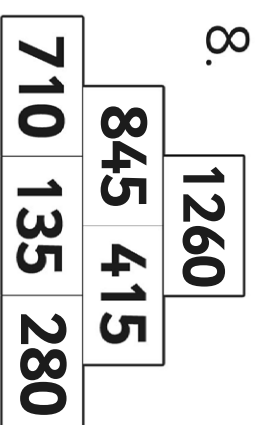
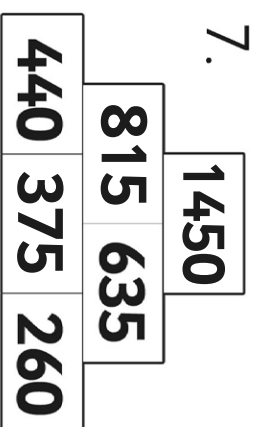
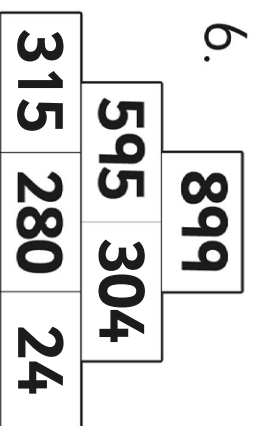
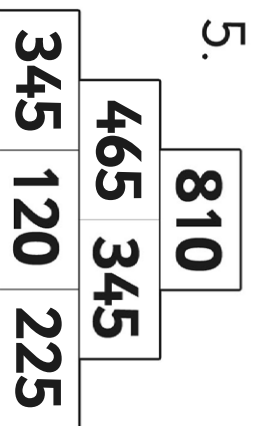
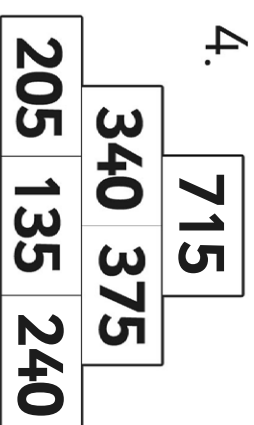
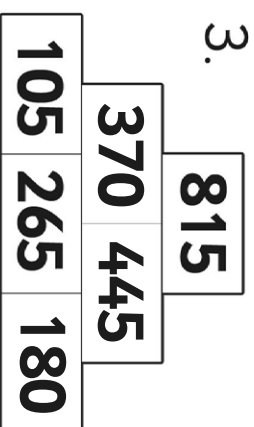
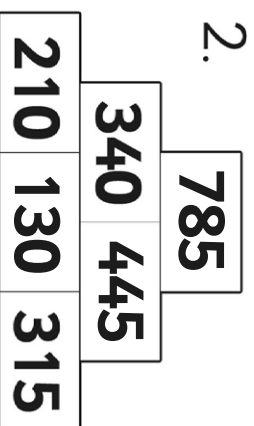
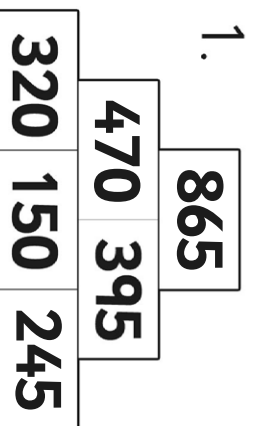
Addition Pyramids Worksheet 2

Use addition and subtraction calculations to complete these pyramids.



Addition Pyramids Worksheet 3

Use addition and subtraction calculations to complete these pyramids.



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

$$\begin{array}{r} 657 \\ - 359 \\ \hline 29\boxed{8} \end{array}$$

$$\begin{array}{r} \boxed{7}3\boxed{6} \\ - 452 \\ \hline 284 \end{array}$$

$$\begin{array}{r} 871 \\ - 199 \\ \hline 67\boxed{2} \end{array}$$

$$\begin{array}{r} 91\boxed{9} \\ - 878 \\ \hline 41 \end{array}$$

$$\begin{array}{r} 1\boxed{3}69 \\ - 275 \\ \hline 1094 \end{array}$$

$$\begin{array}{r} 2612 \\ - 17\boxed{5}8 \\ \hline 854 \end{array}$$

$$\begin{array}{r} 3269 \\ - 1652 \\ \hline \boxed{1}617 \end{array}$$

$$\begin{array}{r} 5\boxed{4}12 \\ - 693 \\ \hline 4719 \end{array}$$

$$\begin{array}{r} 8\boxed{0}08 \\ - 4782 \\ \hline 3226 \end{array}$$

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	$£389 + £258 = £647$ $£1000 - £647 = \textbf{£353 change}$
2	$£701 + £538 = £1239$ $£1239 - £1197 = \textbf{£42 saving}$
3	$£701 + £200 = £901$ $£1000 - £901 = \textbf{£99}$
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 $£258 + £676 + £389 = £1323$ $£1500 - £1323 = \textbf{£177}$

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