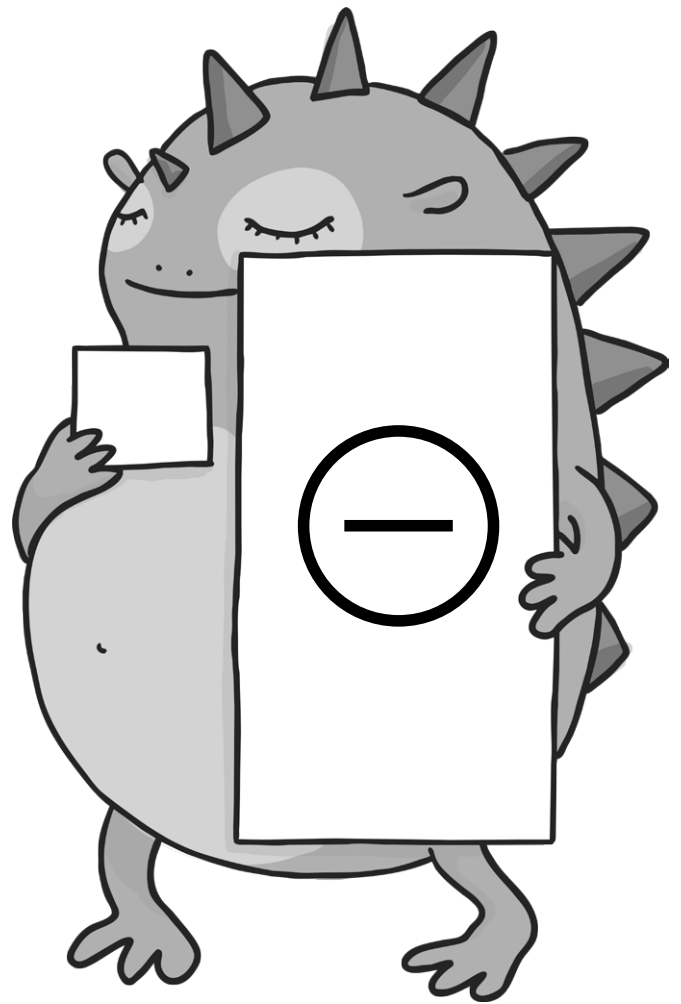
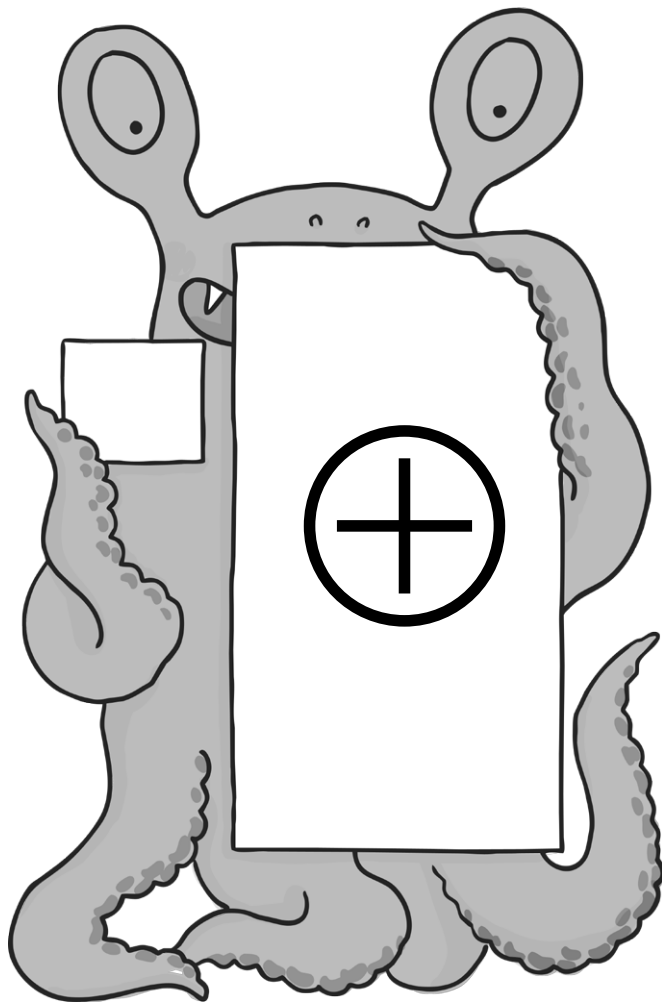


Year 4 Maths Addition and Subtraction Workbook



Year 4 Maths Addition and Subtraction Workbook

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 - 14	

Large Numbers Addition Worksheet

a) 5122
120
+309

b) 440
3055
+123

c) 9999
381
+222

d) 79
927
+3748

e) 2378
592
+92

f) 2849
81
+317

g) 62
5916
+126

h) 5783
3956
+276

i) 3769
277
+3358

j) 46
6928
94
+197

k) 4924
9376
834
+37

l) 9476
83
846
+6254

m) 495
8372
86
+2652

n) 8278
6970
384
+93

o) 844
9243
393
+23

p) 765
6937
926
+2857

q) 6847
946
855
+21

r) 846
54
365
+2395

Missing Number 3-Digit Addition

Calculate the missing numbers in these calculations.

$$\begin{array}{r} _ 38 \\ + 4 _ 7 \\ \hline 128 _ \end{array}$$

$$\begin{array}{r} 1 _ 9 \\ + _ 8 _ \\ \hline 524 \end{array}$$

$$\begin{array}{r} 27 _ \\ + 8 _ 8 \\ \hline _ _ 52 \end{array}$$

$$\begin{array}{r} _ 77 \\ + 6 _ 2 \\ \hline 154 _ \end{array}$$

$$\begin{array}{r} 8 _ 6 \\ + _ 44 \\ \hline 129 _ \end{array}$$

$$\begin{array}{r} _ 89 \\ + 2 _ 1 \\ \hline 45 _ \end{array}$$

$$\begin{array}{r} 37 _ \\ + 7 _ 3 \\ \hline _ _ 36 \end{array}$$

$$\begin{array}{r} _ 31 \\ + 96 _ \\ \hline 10 _ 2 \end{array}$$

$$\begin{array}{r} 1 _ 2 \\ + _ 69 \\ \hline 115 _ \end{array}$$

$$\begin{array}{r} _ 88 \\ + 35 _ \\ \hline 7 _ 7 \end{array}$$

$$\begin{array}{r} _ _ 2 \\ + 62 _ \\ \hline 1341 \end{array}$$

$$\begin{array}{r} 9 _ 7 \\ + _ 6 _ \\ \hline 1294 \end{array}$$

$$\begin{array}{r} 9 _ _ \\ + _ 31 \\ \hline 1857 \end{array}$$

$$\begin{array}{r} 9 _ 0 \\ + 31 _ \\ \hline _ _ 18 \end{array}$$

$$\begin{array}{r} 8 _ 8 \\ + _ 2 _ \\ \hline 1505 \end{array}$$

$$\begin{array}{r} 91 _ \\ + 3 _ 5 \\ \hline _ _ 24 \end{array}$$

$$\begin{array}{r} 5 _ 0 \\ + _ 83 \\ \hline 140 _ \end{array}$$

$$\begin{array}{r} 6 _ _ \\ + _ 45 \\ \hline 1608 \end{array}$$

$$\begin{array}{r} _ 09 \\ + 7 _ _ \\ \hline 989 \end{array}$$

$$\begin{array}{r} 1 _ 5 \\ + _ 36 \\ \hline 85 _ \end{array}$$

$$\begin{array}{r} _ 55 \\ + 5 _ 1 \\ \hline _ _ 76 \end{array}$$

$$\begin{array}{r} 53 _ \\ + 8 _ 9 \\ \hline _ _ 79 \end{array}$$

$$\begin{array}{r} 70 _ \\ + 1 _ 5 \\ \hline _ _ 88 \end{array}$$

$$\begin{array}{r} 64 _ \\ + 5 _ 8 \\ \hline _ _ 82 \end{array}$$

$$\begin{array}{r} 3 _ 9 \\ + _ 7 _ \\ \hline 1032 \end{array}$$

$$\begin{array}{r} 9 _ 8 \\ + _ 41 \\ \hline 176 _ \end{array}$$

$$\begin{array}{r} 3 _ 2 \\ + _ 2 _ \\ \hline 577 \end{array}$$

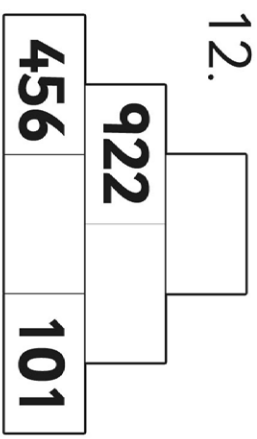
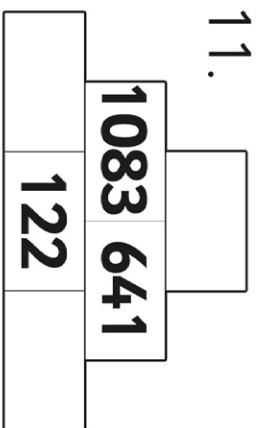
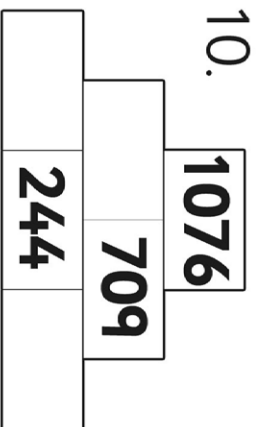
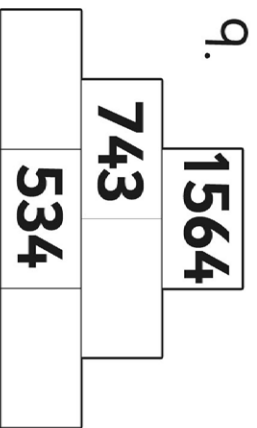
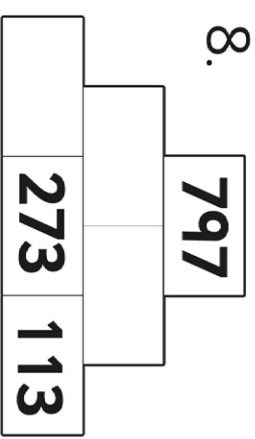
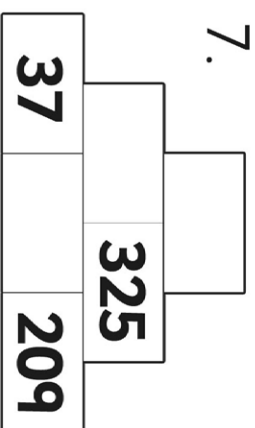
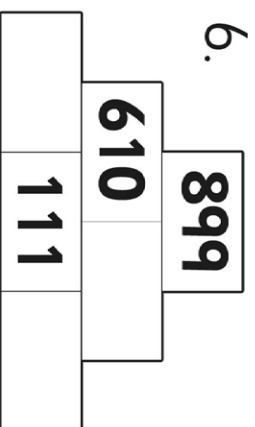
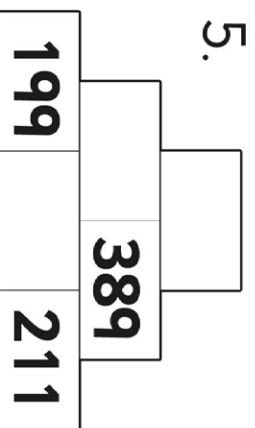
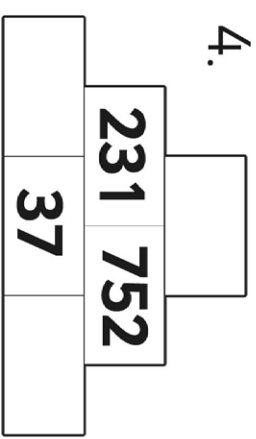
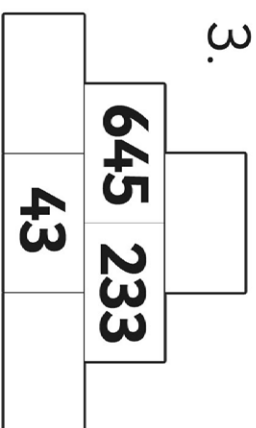
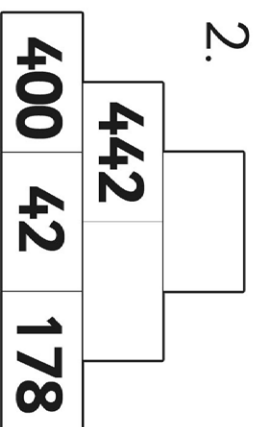
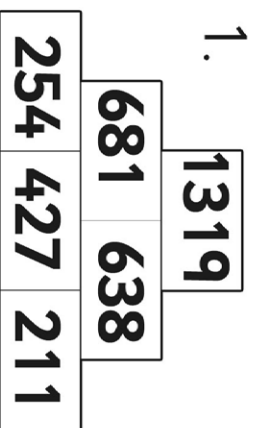
$$\begin{array}{r} 9 _ 1 \\ + _ 28 \\ \hline 163 _ \end{array}$$

$$\begin{array}{r} _ 97 \\ + 5 _ 1 \\ \hline 76 _ \end{array}$$

$$\begin{array}{r} 434 \\ + 8 _ _ \\ \hline _ _ 58 \end{array}$$

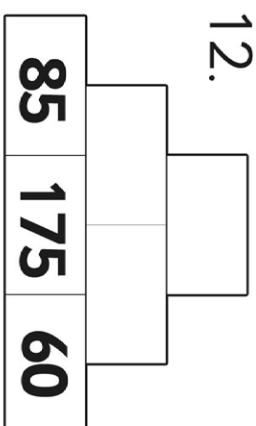
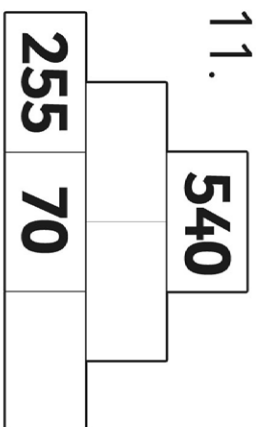
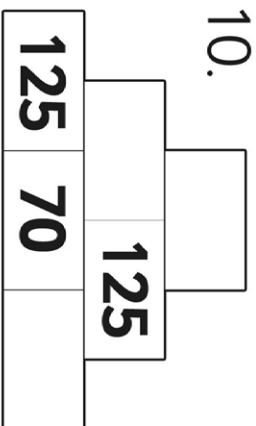
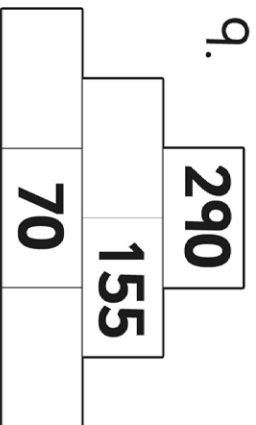
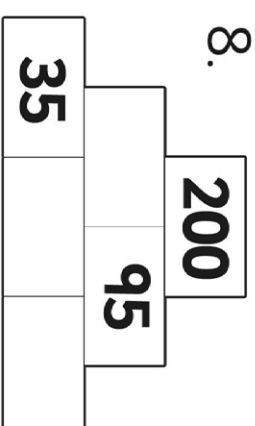
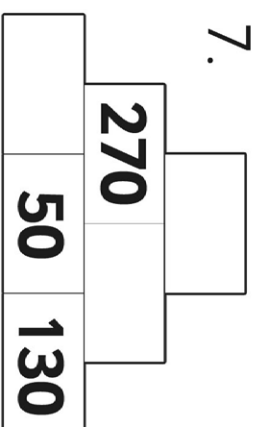
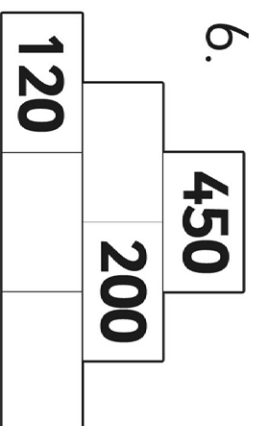
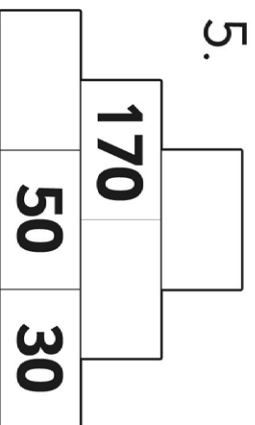
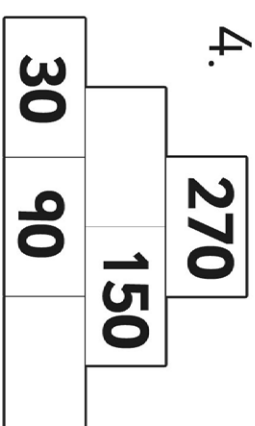
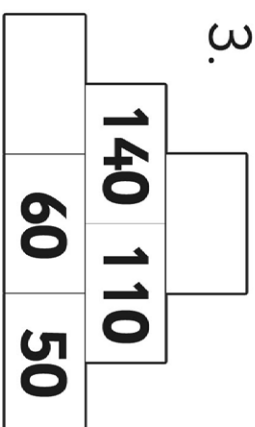
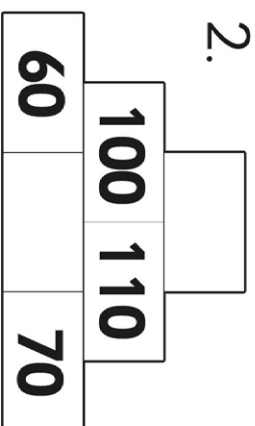
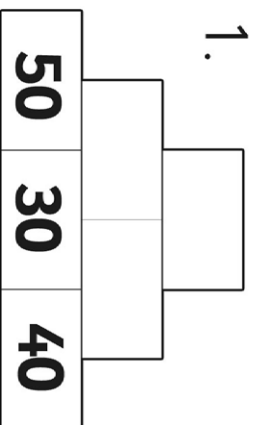
Addition Pyramids Worksheet 1

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



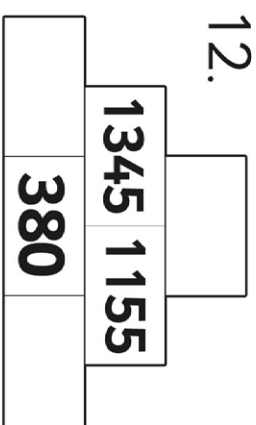
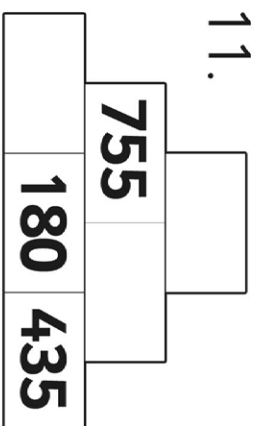
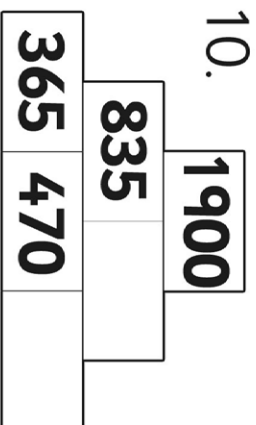
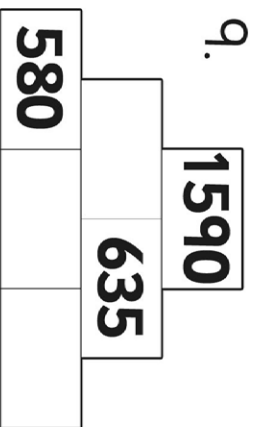
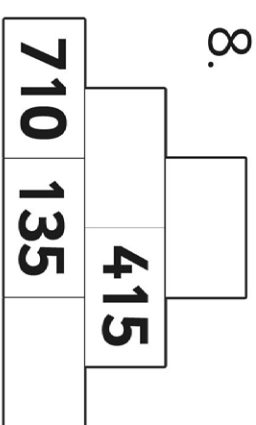
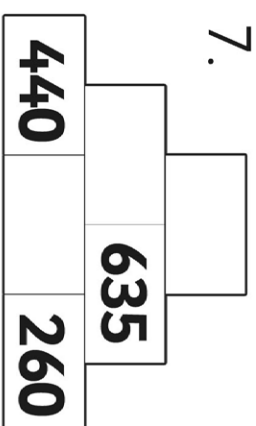
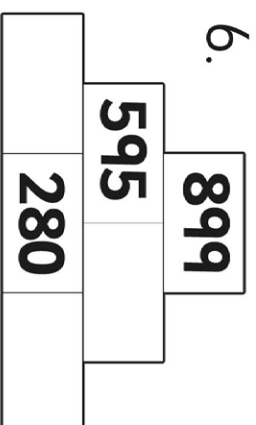
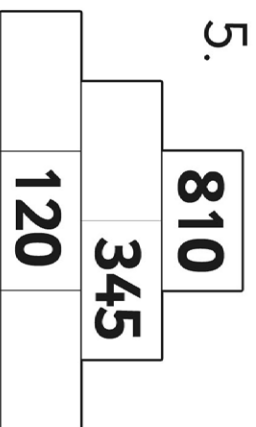
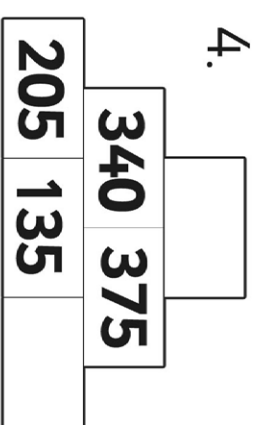
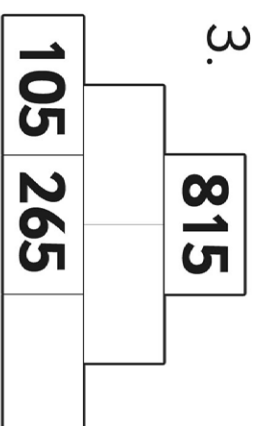
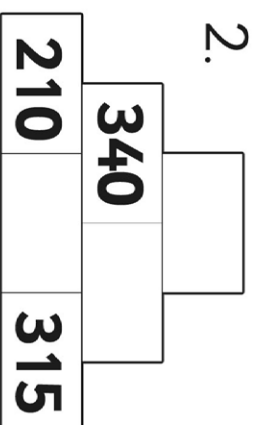
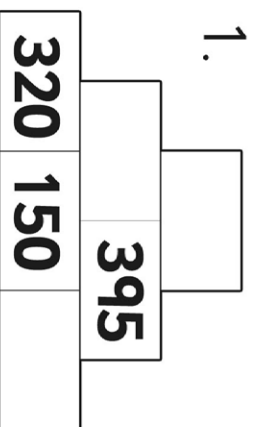
Addition Pyramids Worksheet 2

Use addition and subtraction calculations to complete these pyramids.



Addition Pyramids Worksheet 3

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



Repeated Subtraction of a Factor

The numbers on the left in circles are multiples of the number on the right in boxes – keep subtracting the number in the boxes until you reach '0'. If you don't reach 0, check your answers to find out where you went wrong. You may need to jot some calculations down.

e.g

64	-16	48	-16	32	-16	16	-16	0	-16
----	-----	----	-----	----	-----	----	-----	---	-----

136	-34		-34		-34		-34		34
-----	-----	--	-----	--	-----	--	-----	--	----

588									147
-----	--	--	--	--	--	--	--	--	-----

1448									362
------	--	--	--	--	--	--	--	--	-----

1716									429
------	--	--	--	--	--	--	--	--	-----

5704									1426
------	--	--	--	--	--	--	--	--	------

Finding Missing Numbers in Column Subtraction Calculations

Use these digit cards just once to fill all of the gaps in the calculations.

0 1 2 3 4 5 6 7 8 9

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

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

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

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

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

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

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

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

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

Estimate Answers Speed Challenge

How many points can you score on the speed challenge? Set up a countdown timer for your chosen time limit and use your rounding skills to estimate the answers to as many questions as you can. When the time is up, check that your answers were in the allowable range. Score 1 point for each accurate estimate from list 1, 2 points from list 2, 3 points for list 3 and 4 points for list 4. No extra points for fully correct answers! Good luck!

	List 1	Estimate	List 2	Estimate	List 3	Estimate	List 4	Estimate
1.	$17 + 39$		$43 + 128$		$123 + 104$		$1523 + 1026$	
2.	$21 + 48$		$17 + 162$		$136 + 153$		$1789 + 2391$	
3.	$33 + 59$		$29 + 194$		$178 + 329$		$3456 + 4567$	
4.	$39 + 42$		$34 + 208$		$346 + 252$		$4028 + 3876$	
5.	$58 + 78$		$67 + 254$		$276 + 217$		$5997 + 4302$	
6.	$29 + 83$		$89 + 287$		$302 + 386$		$4808 + 3007$	
7.	$44 + 99$		$98 + 355$		$457 + 342$		$4512 + 5490$	
8.	$77 + 89$		$17 + 578$		$489 + 512$		$7 + 5674$	
9.	$87 + 92$		$85 + 475$		$299 + 992$		$2987 + 7561$	
10.	$98 + 97$		$78 + 967$		$342 + 876$		$4813 + 8564$	
Points:								

Using Inverse Operations to Check Addition and Subtraction Calculations

Check the answers to these calculations using the inverse operation and mark them right or wrong!

	Calculation	Check with Inverse	Correct?
e.g.	$\begin{array}{r} 557 \\ - 278 \\ \hline 277 \end{array}$ <i>work backwards!</i>	$277 + 278 = 555$	Wrong!
1.	$\begin{array}{r} 87 \\ + 446 \\ \hline 459 \end{array}$		
2.	$\begin{array}{r} 144 \\ - 75 \\ \hline 69 \end{array}$		
3.	$\begin{array}{r} 367 \\ + 459 \\ \hline 826 \end{array}$		
4.	$\begin{array}{r} 674 \\ - 596 \\ \hline 182 \end{array}$		
5.	$\begin{array}{r} 286 \\ + 1378 \\ \hline 1662 \end{array}$		
6.	$\begin{array}{r} 1342 \\ - 478 \\ \hline 942 \end{array}$		
7.	$\begin{array}{r} 2786 \\ + 1512 \\ \hline 4299 \end{array}$		
8.	$\begin{array}{r} 2457 \\ - 1687 \\ \hline 770 \end{array}$		

Around the World Flights



1. If Kim flies from New York to Cairo via London, how much change will she get from £1000?

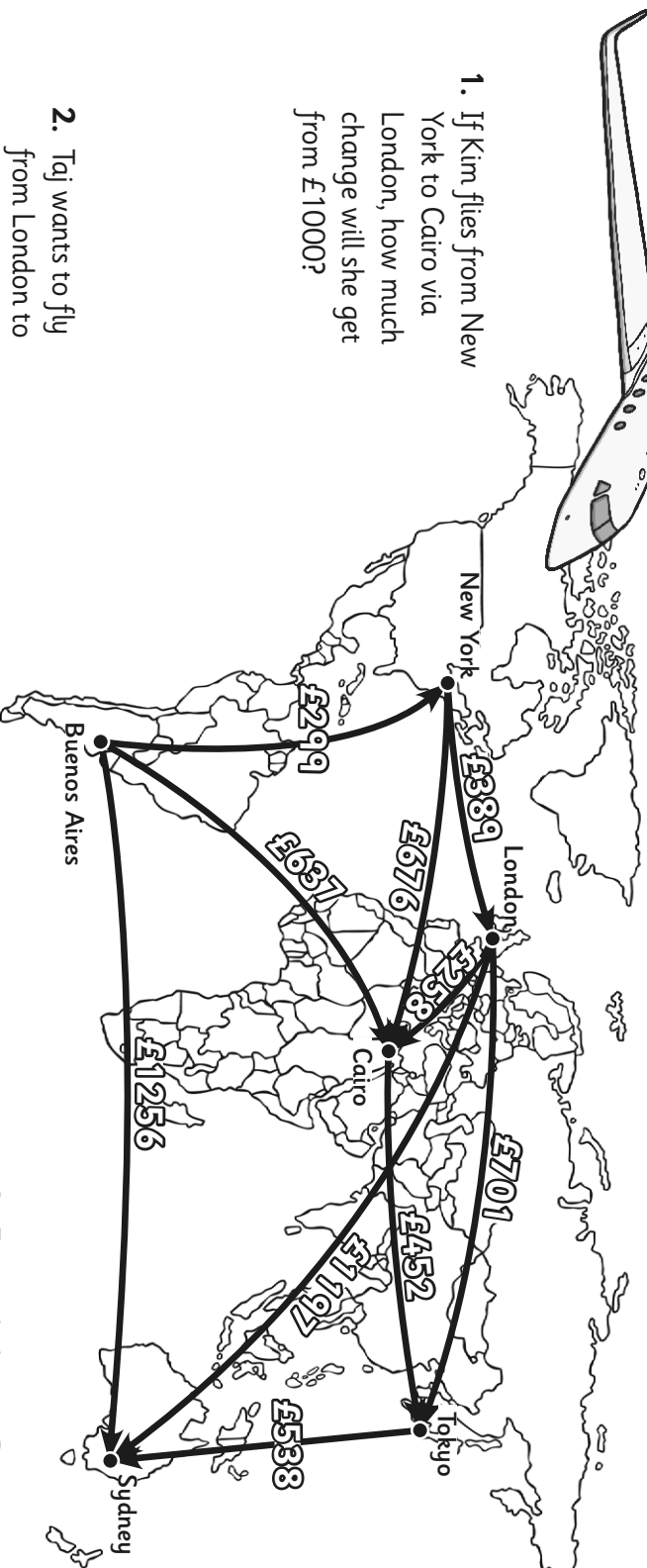
2. Taj wants to fly from London to Sydney via Tokyo. How much will he save if he flies direct to Sydney?

3. For business class flights the price increases by £200 per flight. How much would it cost Joy to fly business class from London to Tokyo? How much change would she get from £1000?

4. Fernando lives in Buenos Aires and wants to go on holiday to Tokyo. Which would be the cheapest route for him to take?

5. Mirai wants to get from New York to Tokyo – what is the cheapest route for her to take?

6. Richard lives in London – he wants to visit Africa and America and return home. He only has £1500. Can he do it and if so how much will he have left?



Solving Two Step Addition and Subtraction Word Problems

No.	Question	Calculation required (Do brackets first!)	Method	Answer
e.g.	The cinema has 700 seats – 113 adults and 276 children come to see the film. How many empty seats are there?	$700 - (113 + 276)$	$ \begin{array}{r} 69 \\ 113 \\ + 276 \\ \hline 389 \end{array} $	
1.	Dorothy is saving her money for a new bike costing £286. If she has already saved £39 and is then given £59 for her birthday, how much more does she need to save?			
2.	A study of 900 people found that 687 were right handed, 174 were left handed and the remainder were ambidextrous (could use either hand). How many were ambidextrous?			

