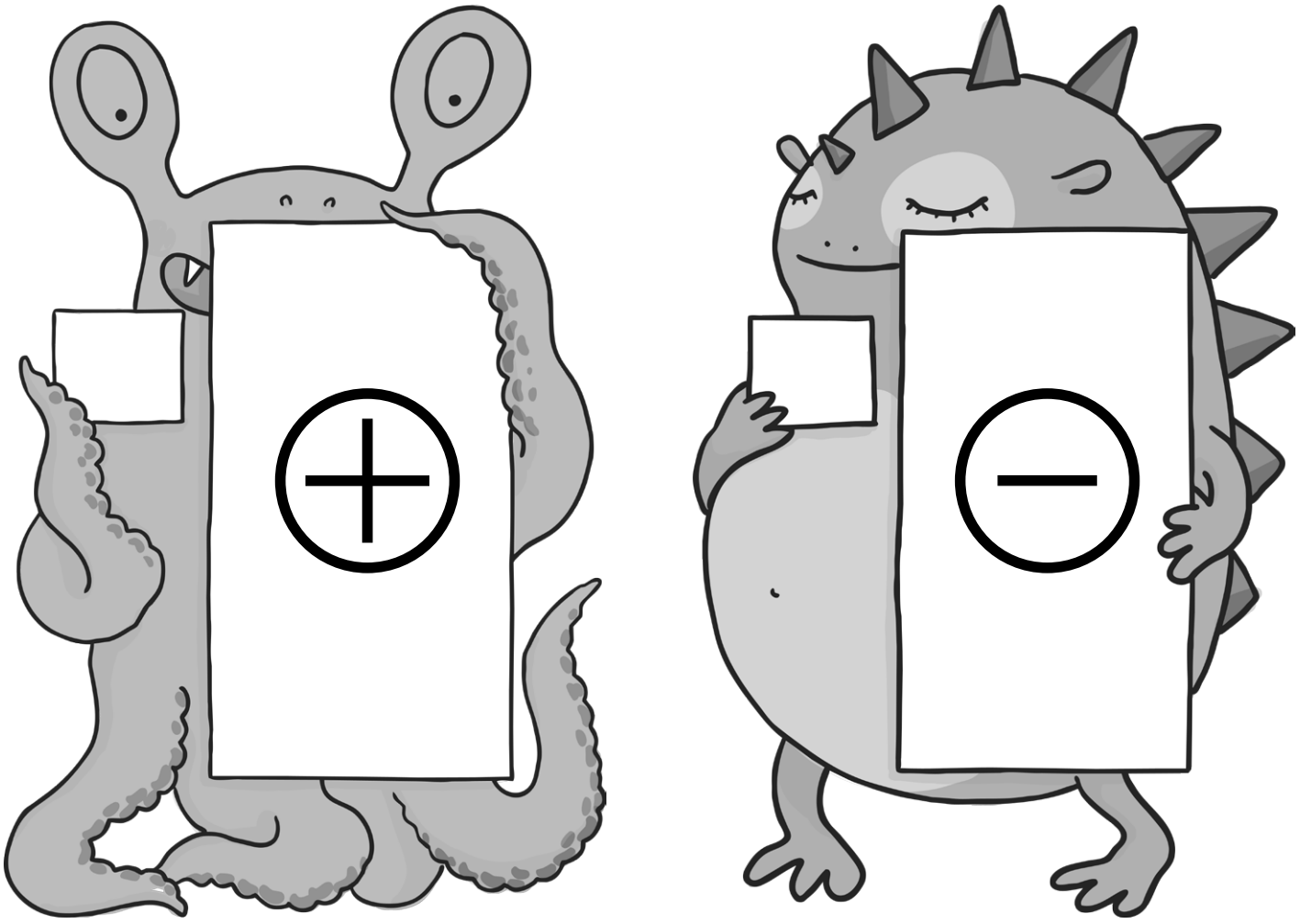
Year 4 Maths Addition and Subtraction Workbook



Year 4 Maths Addition and Subtraction Workbook

Year 4 Programme of Study – Addition and Subtraction

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

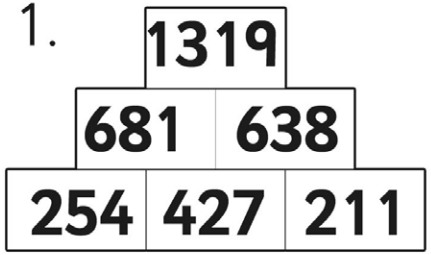
Calculate the missing numbers in these calculations.

_38 + 4_7 = 128_	1_9 + _8_ = 524	27_ + 8_8 = __52	_77 + 6_2 = 154_	8_6 + _44 = 129_
_89 + 2_1 = 45_	37_ + 7_3 = __36	_31 + 96_ = 102_	1_2 + _69 = 115_	_88 + 35_ = 7_7
__2 + 62_ = 1341	9_7 + _6_ = 1294	9__ + _31 = 1857	9_0 + 31_ = __18	8_8 + _2_ = 1505
91_ + 3_5 = __24	5_0 + _83 = 140_	6__ + _45 = 1608	_09 + 7__ = 989	1_5 + _36 = 85_
_55 + 5_1 = __76	53_ + 8_9 = __79	70_ + 1_5 = __88	64_ + 5_8 = __82	3_9 + _7_ = 1032
9_8 + _41 = 176_	3_2 + _2_ = 577	9_1 + _28 = 163_	_97 + 5_1 = 76_	434 + 8__ = __58

Addition Pyramids Worksheet 1

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

1.



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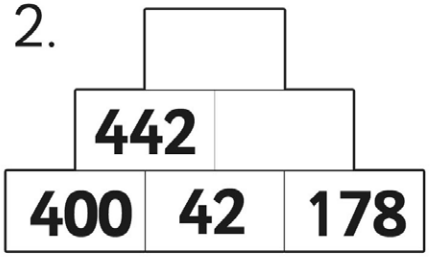

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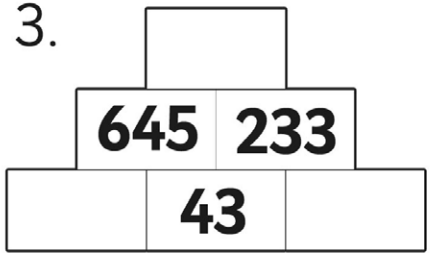

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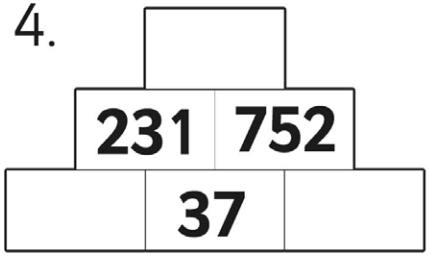

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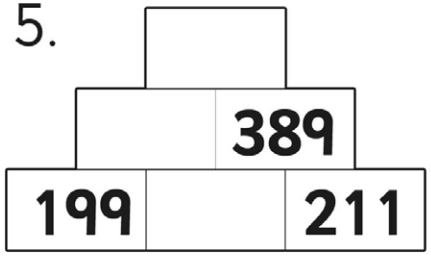

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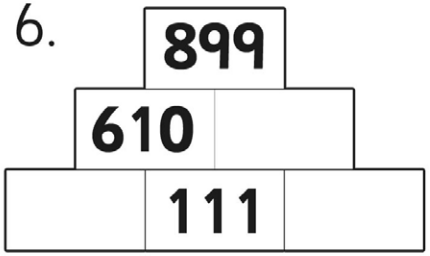

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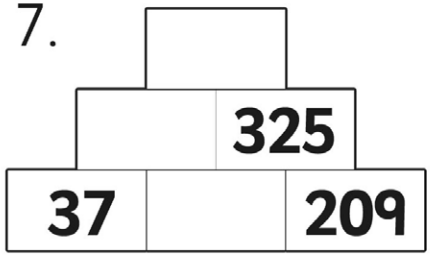

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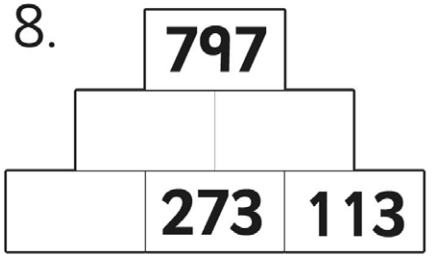

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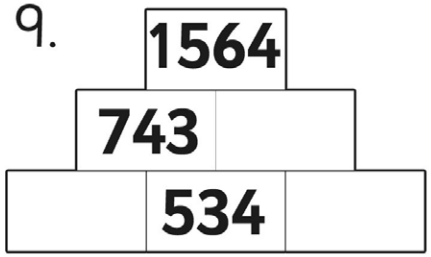

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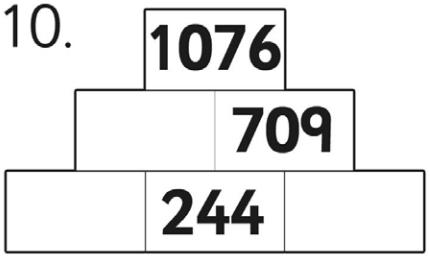

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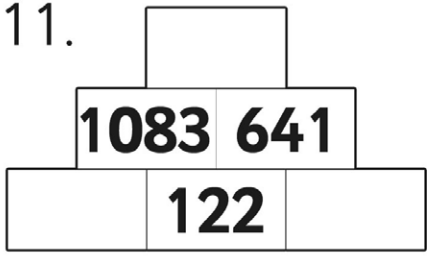

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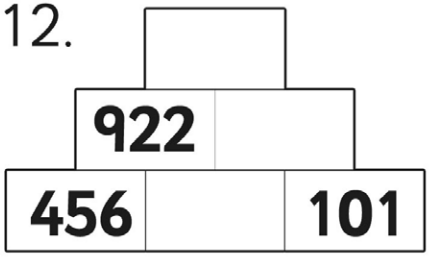
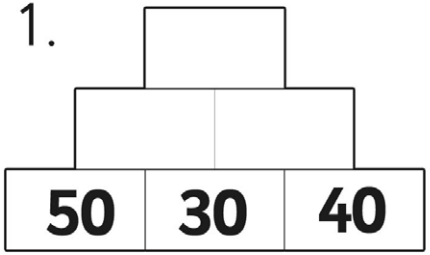


Addition Pyramids Worksheet 2

Use addition and subtraction calculations to complete these pyramids.

1.



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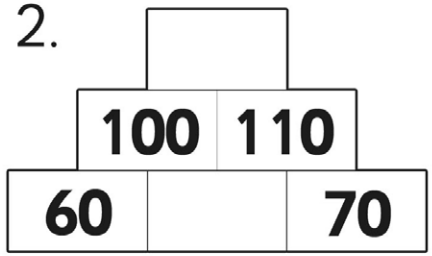

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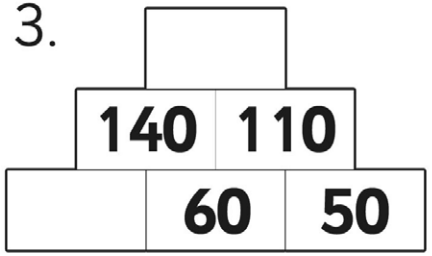

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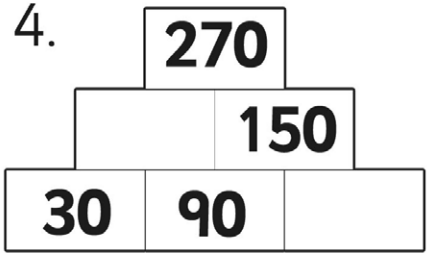

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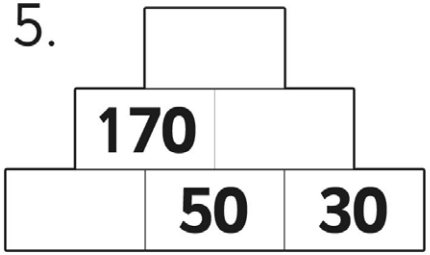

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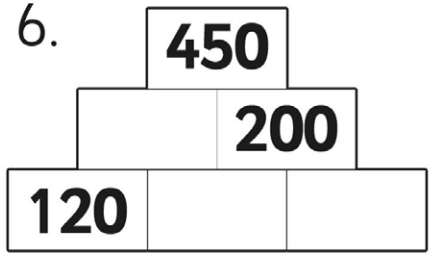

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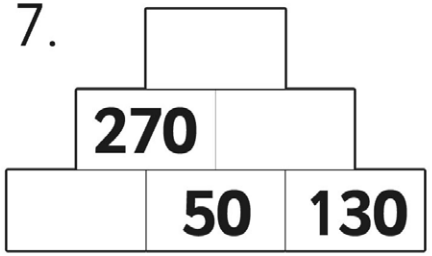

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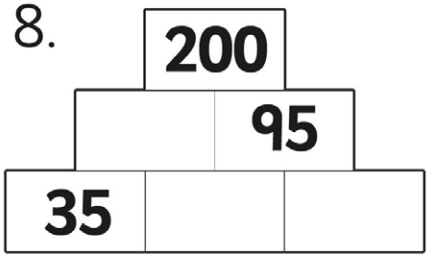

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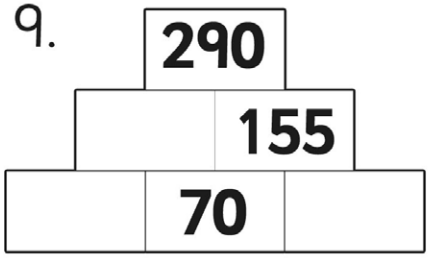

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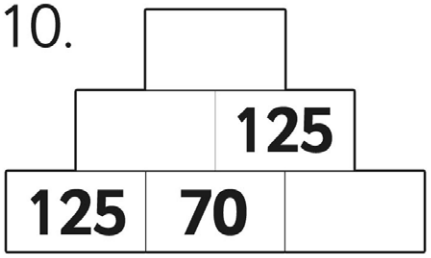

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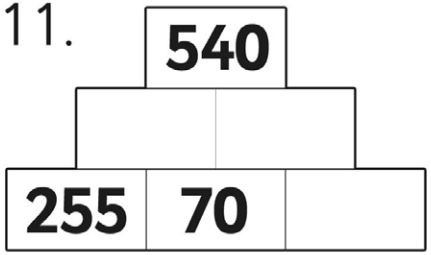

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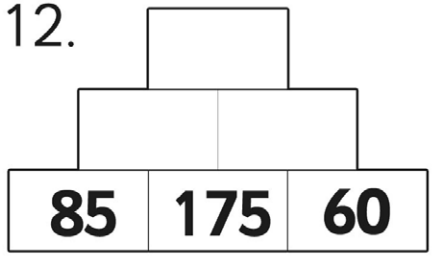

Addition Pyramids Worksheet 3

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

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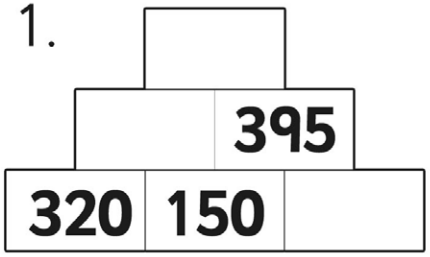

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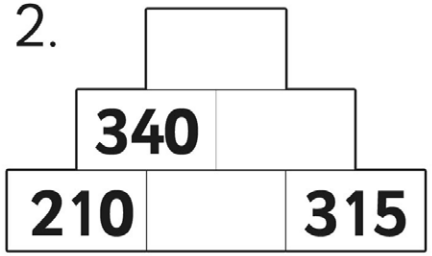

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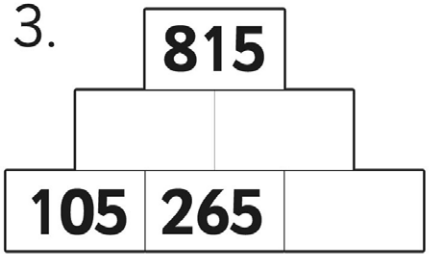

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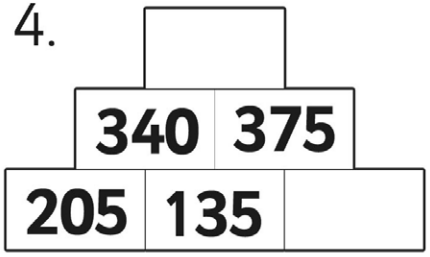

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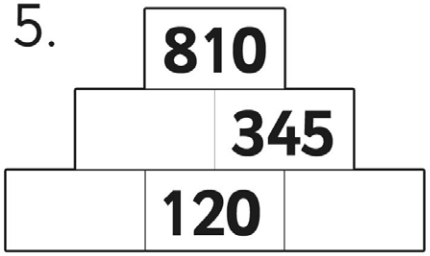

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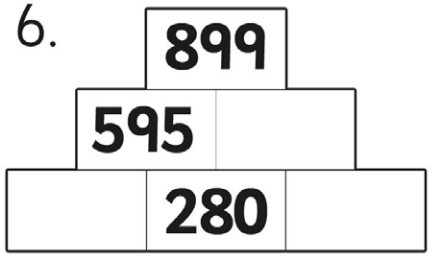

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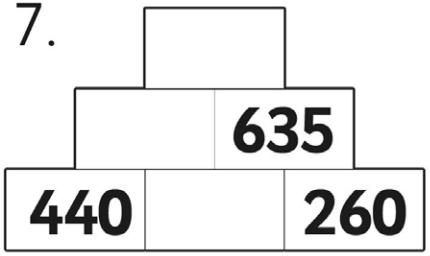

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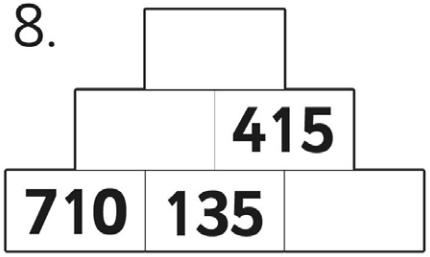

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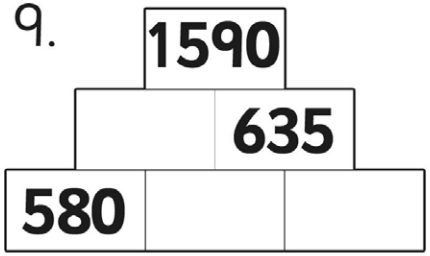

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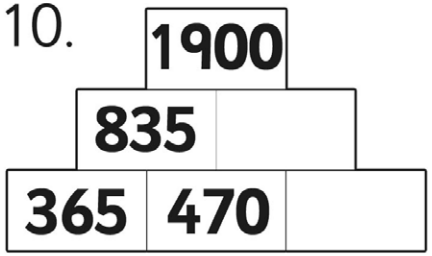

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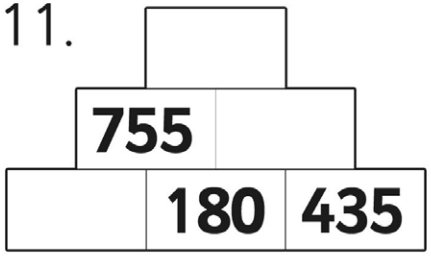

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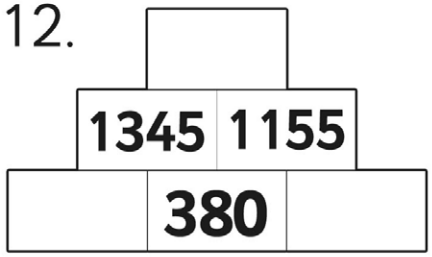
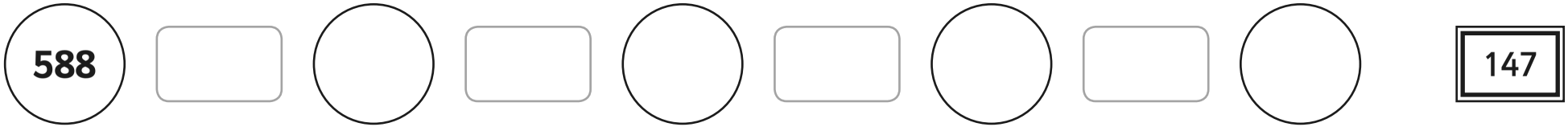
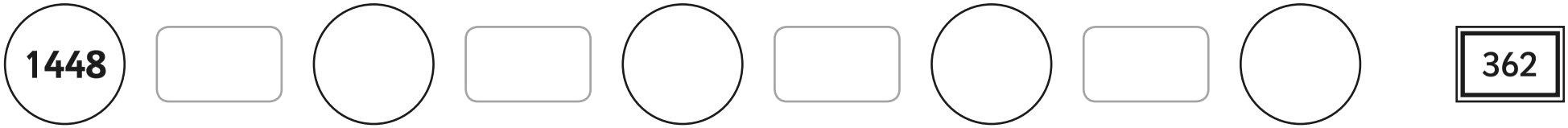


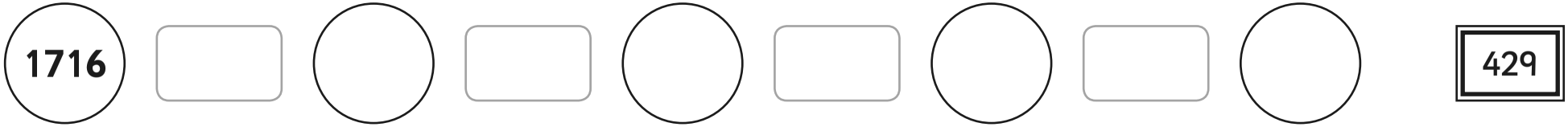
Repeated Subtraction of a Factor

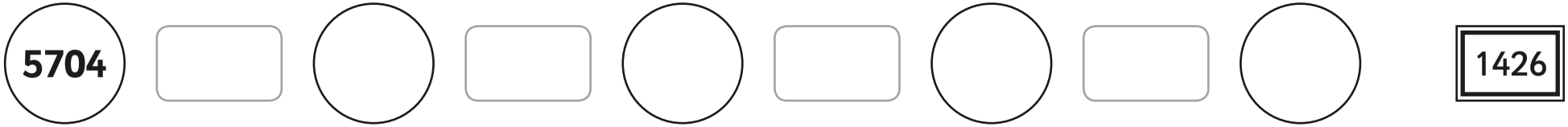
The numbers on the left in circles are multiples of the number on the right in boxes – keep subtracting the number in the boxes until you reach '0'. If you don't reach 0, check your answers to find out where you went wrong. You may need to jot some calculations down.

e.g









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

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

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

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

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

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

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

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

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

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

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!

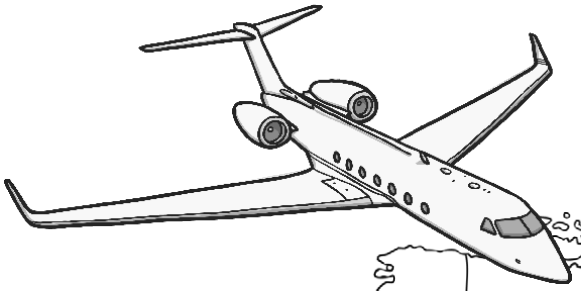
	List 1	Estimate	List 2	Estimate	List 3	Estimate	List 4	Estimate
1.	17 + 39		43 + 128		123 + 104		1523 + 1026	
2.	21 + 48		17 + 162		136 + 153		1789 + 2391	
3.	33 + 59		29 + 194		178 + 329		3456 + 4567	
4.	39 + 42		34 + 208		346 + 252		4028 + 3876	
5.	58 + 78		67 + 254		276 + 217		5997 + 4302	
6.	29 + 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:							

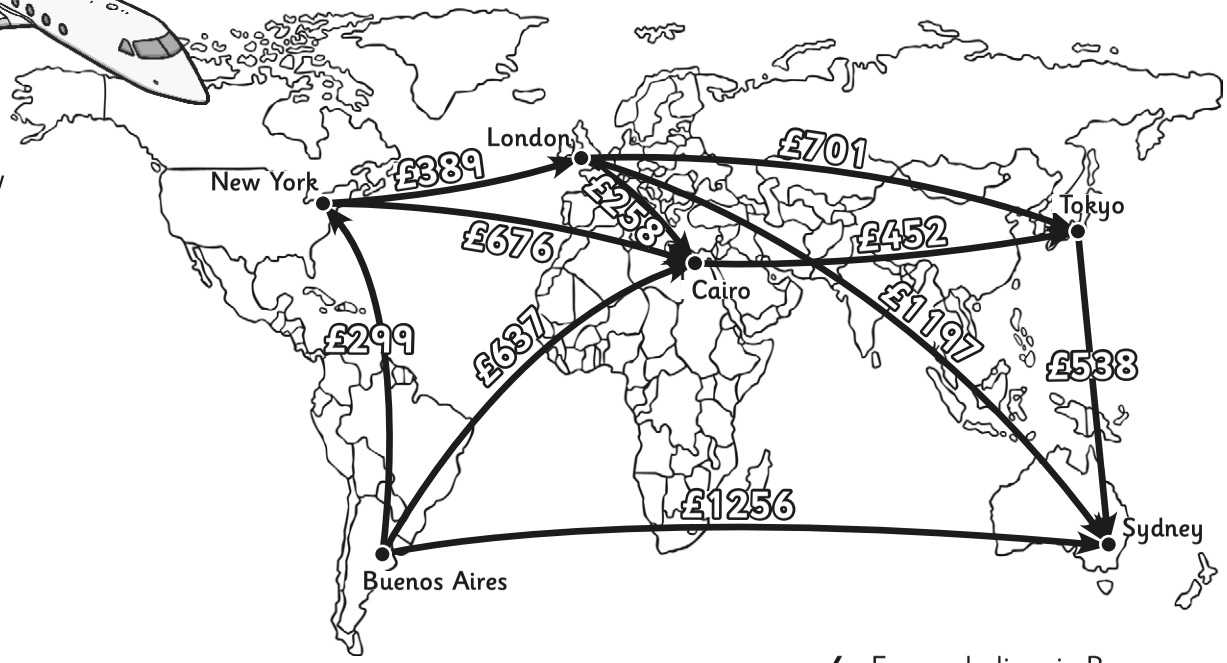
Using Inverse Operations to Check Addition and Subtraction Calculations

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

	Calculation	Check with Inverse	Correct?
e.g.	5 5 7 - 2 7 8 2 7 7 	277 + 278 = 555	**Wrong!**
1.	8 7 + 4 4 6 4 5 9		
2.	1 4 4 - 7 5 6 9		
3.	3 6 7 + 4 5 9 8 2 6		
4.	6 7 4 - 5 9 6 1 8 2		
5.	2 8 6 + 1 3 7 8 1 6 6 2		
6.	1 3 4 2 - 4 7 8 9 4 2		
7.	2 7 8 6 + 1 5 1 2 4 2 9 9		
8.	2 4 5 7 - 1 6 8 7 7 7 0		

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 flght. 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)	1 1 3 + 2 7 6 = 3 8 9 7 ~~0~~ ~~0~~ (6 9) − 3 8 9 = 3 1 1	
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?			

3.	The crisp factory needs to make 875 bags an hour. If a machine breaks down and the factory only makes 323 bags in one hour, how many does it need to make in the next hour to catch up?			
4.	Dave earns £1485 a month as a bus driver and his wife earns £1760 as a teacher. If Dave gets a pay rise of £217 a month how much less than his wife does he earn?			
5.	If William Shakespeare was born in 1564 and lived to be 52 years old, how many years ago did he die?			