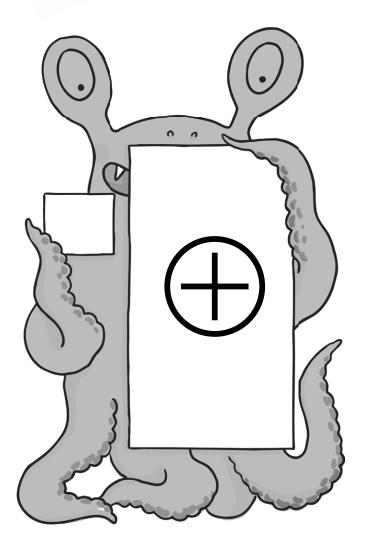
Year 4 Maths Addition and Subtraction









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Year 4 Maths Addition and Subtraction Workbook

Year 4 Programme of Study – Addition and Subtraction

Statutory Requirements	Worksheet	Page Number	Notes
	Large Numbers Addition Worksheet	3	
Add and subtract numbers with up to 4 digits using the formal	Missing Number Three Digit Addition	4	
written methods of columnar addition and subtraction where	Addition Pyramids Worksheet 2	5 - 7	
appropriate	Repeated Subtraction of a Factor	8	
	Find Missing Numbers in Column Subtraction Sums	9	
Estimate and use inverse	Estimate Answers Speed Challenge	10	
operations to check answers to a calculation	Using Inverse Operations to check Addition and Subtraction Calculations	11	
Solve addition and subtraction two-step problems in contexts,	Multi-step Problems Around the World Flights	12	
deciding which operations and methods to use and why.	Solving Two Step Addition and	12 16	
metrious to use und wrig.	Subtraction Word Problems	13 - 14	





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Large Numbers Addition Worksheet

1	m) 495 8372 86 +2652	g) 62 5916 +126	a) 5122 120 +309
	n) 8278 6970 384 +93	h) 5783 3956 +276	b) 440 3055 +123
	o) 844 9243 393 +23	i) 3769 277 +3358	c) 9999 381 +222
	p) 765 6937 926 <u>+2857</u>	j) 46 6928 94 +197	d) 79 927 +3748
	q) 6847 946 855 +21	k) 4924 9376 834 +37	e) 2378 592 +92
	r) 846 54 365 <u>+2395</u>	l) 9476 83 846 +6254	f) 2849 81 +317



Missing Number 3-Digit Addition



Calculate the missing numbers in these calculations.

$$\frac{_{-38}^{}}{^{+4.7}_{-128}^{}}$$

$$\frac{27}{+8.8}$$

$$+\frac{37}{7_{3}}$$

$$\begin{array}{r}
 -51 \\
 +5 \\
 \hline
 -72
 \end{array}$$

$$\frac{3_2}{+2_2}$$

$$\frac{9_{1}}{+28}$$

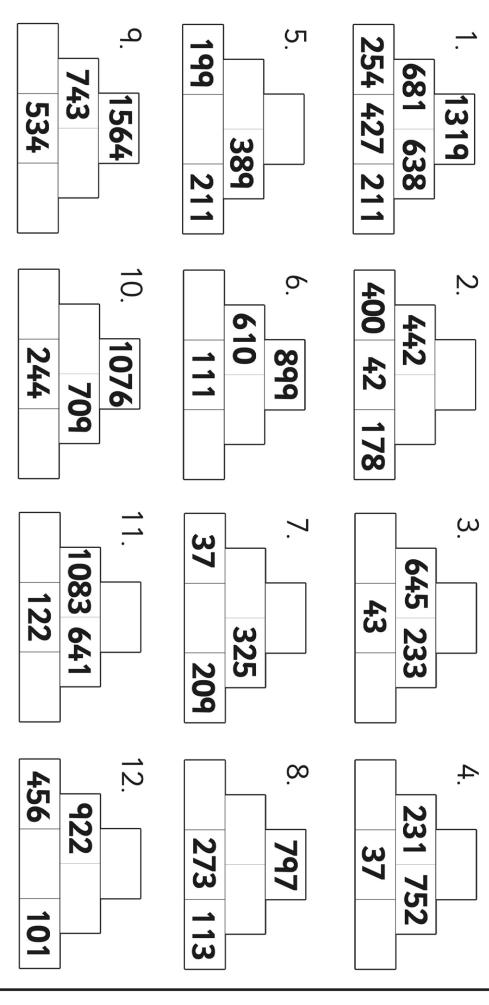
$$\frac{-97}{+5_{-1}}$$



Addition Pyramids Worksheet 1



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

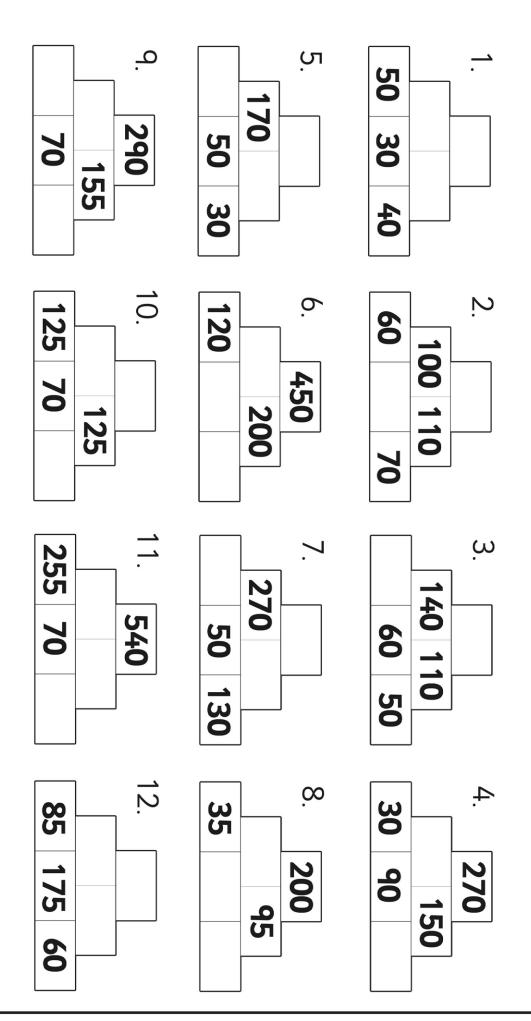




Addition Pyramids Worksheet 2



Use addition and subtraction calculations to complete these pyramids.





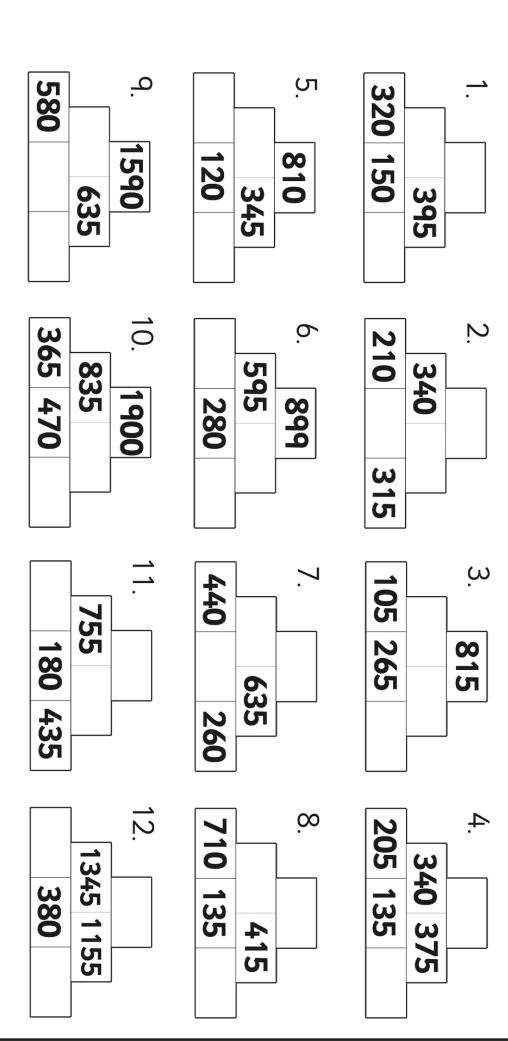
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Addition Pyramids Worksheet 3



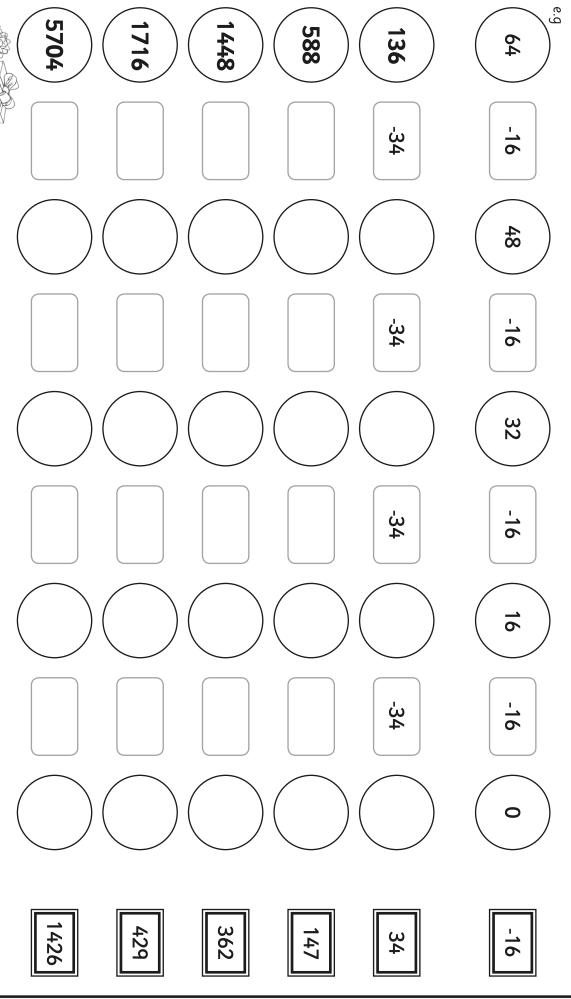
Use addition and subtraction calculations to complete these pyramids. The first one has been done for you.





Repeated Subtraction of a Factor

reach 0, check your answers to find out where you went wrong. You may need to jot some calculations down. 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 'O'. If you don't



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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



657

- 3 5 9

29

3

-452

284

871

- 1 9 9

6 7

91

-878

4 1

1 6 9

-275

1094

2612

- 1 7 | 8

854

3269

-1652

6 1 7

5 1 2

-693

4719

8 0 8

-4782

3226



Estimate Answers Speed Challenge



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! 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 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

	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	
<i>3</i> .	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	
œ	77 + 89		17 + 578		489 + 512		7 + 5674	
Ą.	87 + 92		85 + 475		299 + 992		2987 + 7561	
10.	98 + 97		78 + 967		342 + 876		4813 + 8564	
	Points:							



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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 work backwards!	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		



York to Cairo via
London, how much
change will she get
from £1000?

2. Taj wants to flu

If Kim flies from New

2. Taj wants to fly from London to Sydney via Tokyo. How much will

Buenos Aires

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 £10002

to take?

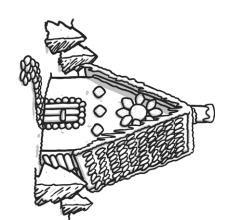
cheapest route for him

he save if he flies direct to Sydney?

- 4. Fernando lives in Buenos Aires and wants to go on holiday to Tokyo. Which would be the
- 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?

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



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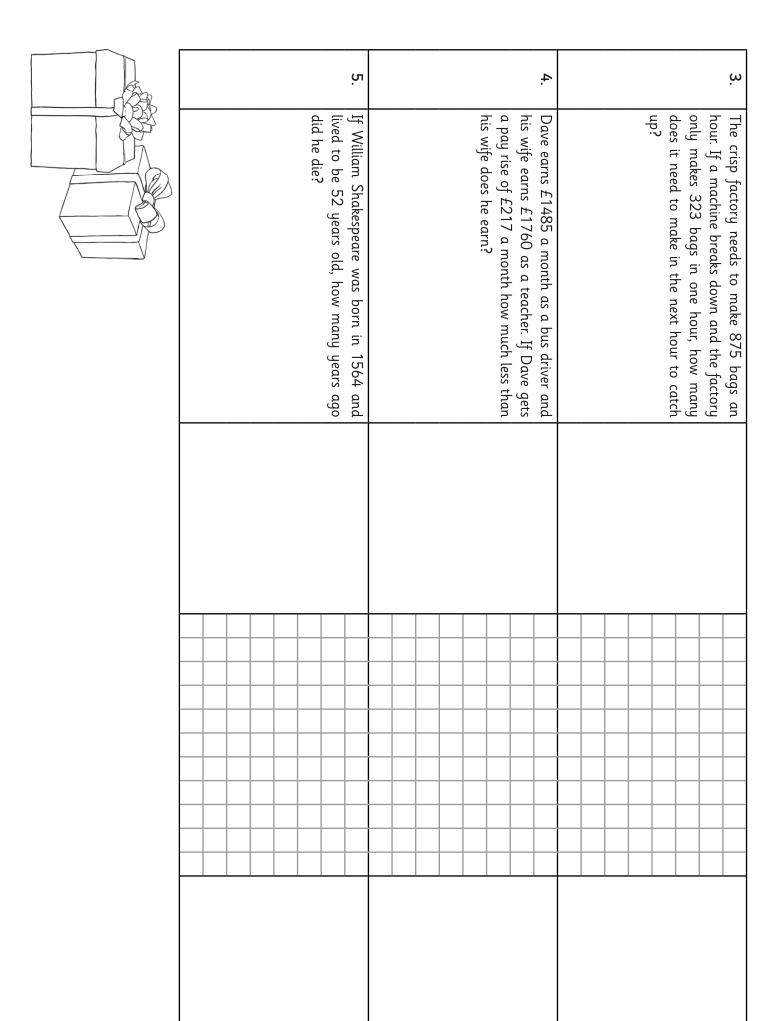


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Solving Two Step Addition and Subtraction Word
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2	1.	e. à	N _o .
A study of 900 people found that 687 were right handed, 174 were left handed and the remainder were ambidextrous (could use either hand). How many were ambidextrous?	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?	The cinema has 700 seats – 113 adults and 276 children come to see the film. How many empty seats are there?	Question
		700 – (113 + 276)	Calculation required (Do brackets first!)
		+ 2 7 6 - 3 8 9 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Method
			Answer



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