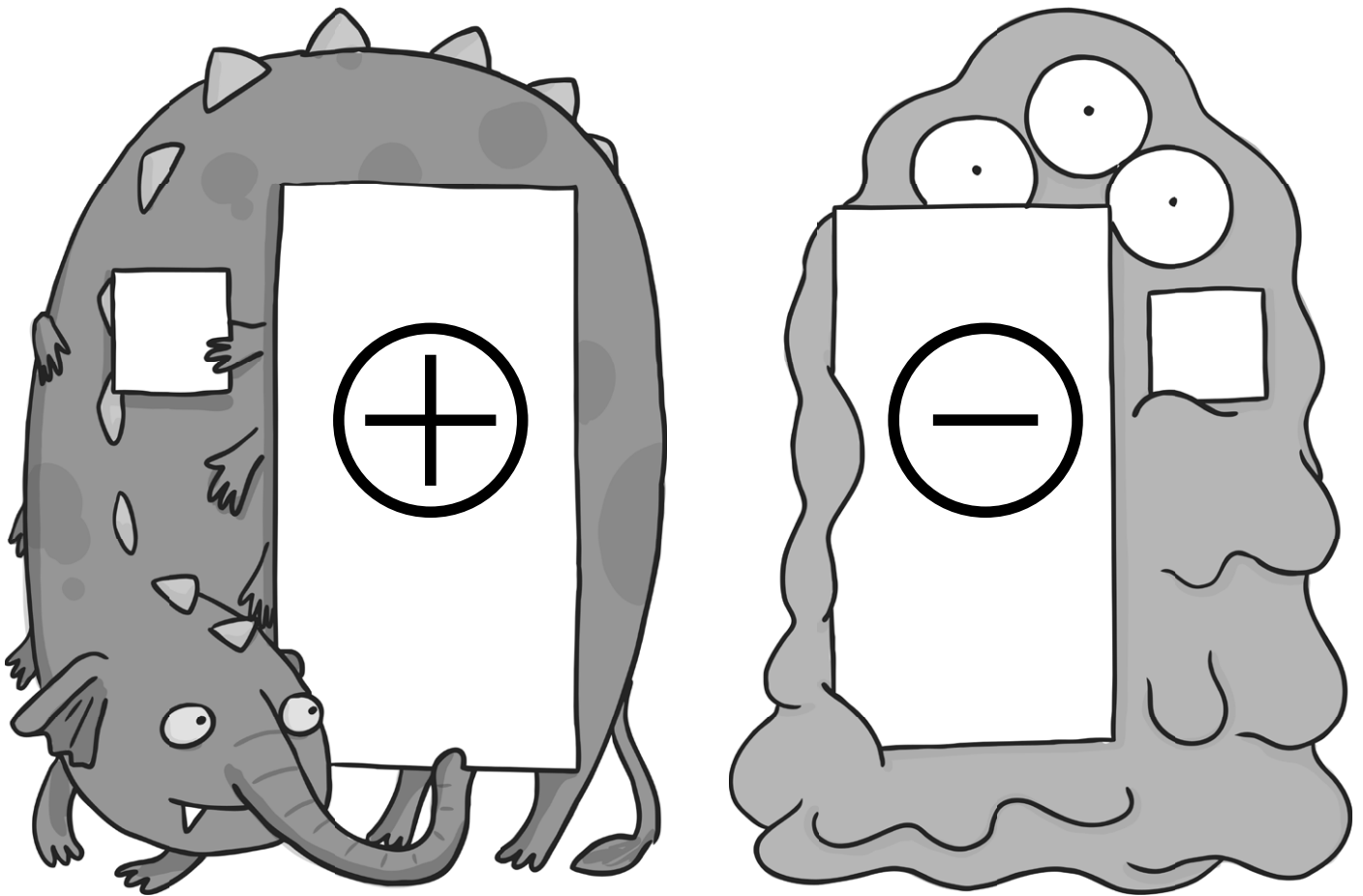


# Year 5 Maths Addition and Subtraction Workbook - Answers



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## Year 5 Programme of Study – Addition and Subtraction - Answers

Statutory Requirements	Worksheet	Page Number	Notes
add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)	Addition with 5 digit numbers	3	
	Subtraction with 5 digit numbers	4	
add and subtract numbers mentally with increasingly large numbers	Mental Maths Adding Worksheets	5 - 6	
	Subtracting Multiples of 1000	7	
	Adding Multiples of 1000	8	
	Mental Calculations Challenge	9	
use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy	Using Rounding to Check Answers	10	
	Rounding in Context	11	
solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.	Spend Your Lottery Winnings	-	
	Multi-Step Addition and Subtraction Problems	12	

## Addition With 5 Digit Numbers: Answers

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question	answer
1	<b>100 938</b>
2	<b>97 000</b>
3	<b>109 937</b>
4	<b>84 270</b>
5	<b>143 605</b>
6	<b>163 496</b>
7	<b>170 516</b>
8	<b>160 189</b>
9	<b>80 383</b>
10	<b>145 847</b>
11	<b>151 010</b>
12	<b>42 984</b>

## Subtraction With 5 Digit Numbers: Answers

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question	answer
1	<b>60 387</b>
2	<b>29 293</b>
3	<b>13 831</b>
4	<b>14 312</b>
5	<b>20 473</b>
6	<b>32 958</b>
7	<b>52 338</b>
8	<b>16 291</b>
9	<b>13 507</b>
10	<b>32 973</b>
11	<b>9129</b>
12	<b>14 641</b>

## Mental Maths Adding Worksheet 1: Answers

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question	answer
1	<b>£1.40 or 140p</b>
2	<b>57</b>
3	<b>£8.00</b>
4	<b>102</b>
5	<b>37</b>
6	<b>145</b>
7	<b>£1.91 or 191p</b>
8	<b>67</b>
9	<b>170</b>
10	<b>80kg</b>

## Mental Maths Adding Worksheet 2: Answers

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question	answer
1	<b>£1.32 or 132p</b>
2	<b>119 seconds</b>
3	<b>100</b>
4	<b>110</b>
5	<b>85p</b>
6	<b>40</b>
7	<b>60</b>
8	<b>£1.23 or 123p</b>
9	<b>£1.24 or 124p</b>
10	<b>83</b>

## Subtracting Multiples of 1000: Answers

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question	answer
1	<b>3438</b>
2	<b>1049</b>
3	<b>4823</b>
4	<b>2234</b>
5	<b>1905</b>
6	<b>2369</b>
7	<b>3099</b>
8	<b>997</b>
9	<b>1804</b>
10	<b>4993</b>
11	<b>661</b>
12	<b>1880</b>
13	<b>2820</b>
14	<b>2713</b>
15	<b>778</b>
16	<b>6052</b>
17	<b>10 993</b>
18	<b>49 702</b>
19	<b>86 362</b>
20	<b>199 905</b>
21	<b>185 641</b>
22	<b>498 785</b>
23	<b>70 043</b>
24	<b>600 234</b>
25	<b>65 382</b>
26	<b>646 802</b>
27	<b>84 863</b>
28	<b>591 788</b>
29	<b>73 261</b>
30	<b>990 000</b>

## Adding Multiples of 1000: Answers

question	answer
1	<b>4358</b>
2	<b>7829</b>
3	<b>12 083</b>
4	<b>8850</b>
5	<b>10 862</b>
6	<b>7409</b>
7	<b>8749</b>
8	<b>9597</b>
9	<b>9006</b>
10	<b>7385</b>
11	<b>10 763</b>
12	<b>12 015</b>
13	<b>9530</b>
14	<b>9165</b>
15	<b>8708</b>
16	<b>19 666</b>
17	<b>18 647</b>
18	<b>37 902</b>
19	<b>33 023</b>
20	<b>306 456</b>
21	<b>160 982</b>
22	<b>297 505</b>
23	<b>65 903</b>
24	<b>710 034</b>
25	<b>45 892</b>
26	<b>587 902</b>
27	<b>85 672</b>
28	<b>406 084</b>
29	<b>64 271</b>
30	<b>1 002 000</b>



## Mental Calculations Challenge: Answers

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question	answer
1	130
2	20.74
3	25
4	129
5	10 002
6	345
7	1.1
8	99.9
9	127.2
10	509
11	3115
12	46 942
13	-26
14	90 000
15	5461
16	389

## Using Rounding to Check Answers: Answers

question	answer		
	Rounded Approximation	Does the original answer look correct based on rounded estimation?	Corrected Answer if necessary (You may need to recalculate)
1	$600 + 400 = 1000$	No	1006
2	$900 + 200 = 1100$	Yes	
3	$200 + 300 = 500$	Yes	
4	$500 + 600 = 1100$	No	1072.21
5	$4600 + 3200 = 7800$	Yes	
6	$5400 + 2400 = 7800$	Yes	
7	$4900 + 2700 = 7600$	No	7592.43
8	$97400 + 87700 = 185100$	No	185112
	Rounded Approximation	Does the original answer look correct based on rounded estimation?	Corrected Answer if necessary (You may need to recalculate)
1.	$370 + 290 = 660$	Yes	
2.	$550 + 340 = 890$	Yes	
3.	$780 + 330 = 1110$	Yes	
4.	$230 + 170 = 400$	No	407.7
5.	$900 + 400 = 1300$	Yes	
6.	$350 + 380 = 730$	No	723.76
7.	$1760 + 40 = 1800$	No	1800.21
8.	$4870 + 150 = 5020$	Yes	

## Rounding in Context: Answers

question	answer		
	Units	Rounded Answer	Reasoning
1	metres	8 metres	If the shop sells rope in metre lengths only, Charlie will have to round his answer up to make sure he has enough.
2	minibuses	11 minibuses	The answer needs to be rounded up to ensure everyone can get on a bus.
3	nights	27 nights	The answer needs to be rounded up because even though she reads fewer pages on the last night, she still needs that last night to get to the end of the book.
4	people	63 million	Here the answer can be rounded to the nearest million to make it simpler for a quiz. Also as people are being born and dying all the time, there cannot be a single exact answer.
5	Square metres	10 square metres	The answer needs to be rounded up to make sure David's dad has enough carpet to cover the floor.
6	Hours/minutes/seconds	6 hours	Answer is rounded to the nearest hour because anyone asking them would most likely not be interested in the exact minutes and seconds, just an idea of how long the journey took.

## Multi-Step Addition and Subtraction Problems: Answers

question	answer
1	$1845 - (490 + 146)$
2	$32164 - (25412 + 3849) =$
3	$(85000 - 47233) + 85000 =$
4	$28640 - ((12 \times 217) + 19385)$
5	$69 \text{ BC} + 39 = 30 \text{ BC}$ - $30 + ? = 2015$ (Answer depends on current year - 2015 has been used for this answer)