

Using Rounding to Check Answers

Round these numbers to the nearest 100 and perform a mental calculation. Decide if your answer is close.

	Calculation	Rounded Approximation	Does the original answer look correct based on rounded estimation?	Corrected Answer if necessary (You may need to recalculate)
e.g.	$325.7 + 485.4 = 911.1$	$300 + 500 = 800$	No	811.1
1.	$615 + 391 = 1006$			
2.	$872 + 211 = 1083$			
3.	$235.3 + 258.9 = 494.2$			
4.	$475.23 + 596.98 = 1172.21$			
5.	$4567 + 3219 = 7786$			
6.	$5387.3 + 2418.8 = 7806.1$			
7.	$4879.54 + 2712.89 = 7952.43$			
8.	$97433 + 87679 = 181152$			

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Round these numbers to the nearest ten and perform a mental calculation. Decide if your answer is close.

	Calculation	Rounded Approximation	Does the original answer look correct based on rounded estimation?	Corrected Answer if necessary (You may need to recalculate)
e.g.	$456 + 242 = 698$	$460 + 240 = 700$	Yes!	
1.	$371 + 287 = 658$			
2.	$548 + 342 = 890$			
3.	$784 + 329 = 1113$			
4.	$234.8 + 172.9 = 307.7$			
5.	$896.6 + 402.7 = 1299.3$			
6.	$345.45 + 378.31 = 623.76$			
7.	$1762.99 + 37.22 = 2100.11$			
8.	$4873.23 + 151.82 = 5025.05$			

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e.g.	$325.7 + 485.4 = 911.1$	$300 + 500 = 800$	No	811.1
1.	$615 + 391 = 1006$	$600 + 400 = 1000$	No	1006
2.	$872 + 211 = 1083$	$900 + 200 = 1100$	Yes	
3.	$235.3 + 258.9 = 494.2$	$200 + 300 = 500$	Yes	
4.	$475.23 + 596.98 = 1172.21$	$500 + 600 = 1100$	No	1072.21
5.	$4567 + 3219 = 7786$	$4600 + 3200 = 7800$	Yes	
6.	$5387.3 + 2418.8 = 7806.1$	$5400 + 2400 = 7800$	Yes	
7.	$4879.54 + 2712.89 = 7592.43$	$4900 + 2700 = 7600$	No	7592.43
8.	$97433 + 87679 = 181152$	$97400 + 87700 = 185100$	No	185112

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e.g.	$456 + 242 = 698$	$460 + 240 = 700$	Yes!	
1.	$371 + 287 = 658$	$370 + 290 = 660$	Yes	
2.	$548 + 342 = 890$	$550 + 340 = 890$	Yes	
3.	$784 + 329 = 1113$	$780 + 330 = 1110$	Yes	
4.	$234.8 + 172.9 = 307.7$	$230 + 170 = 400$	No	407.7
5.	$896.6 + 402.7 = 1299.3$	$900 + 400 = 1300$	Yes	
6.	$345.45 + 378.31 = 623.76$	$350 + 380 = 730$	No	723.76
7.	$1762.99 + 37.22 = 2100.11$	$1760 + 40 = 1800$	No	1800.21
8.	$4873.23 + 151.82 = 5025.05$	$4870 + 150 = 5020$	Yes	