

Checking Addition and Subtraction by Estimation

Do not use a calculator. By estimating the answer check these additions and subtractions. In the decision column write either "Definitely wrong" or "Correct or near to correct". Discuss the answers in class.

Problem	Estimate of Answer	Decision
$4569 + 5543 = 11\ 112$	$\approx 4600 + 5500 = 10\ 100$	Definitely wrong
$11\ 782 - 3\ 456 = 8326$	$\approx 11\ 800 - 3\ 500 = 8\ 300$	Correct or near to correct
$4\ 083 - 2\ 299 = 1784$		
$456 + 25\ 543 = 25\ 599$		
$4569 + 5543 = 11\ 112$		
$\$456.78 + \$34.89 = \$471.67$		
$\$34.07 - \$14.89 = \$19.18$		
$12.098 - 7.91 = 4.188$		
$0.891 + 0.0091 = 0.009001$		
$345\ 301 - 321\ 305 = 23\ 998$		
$456\ 901 + 5\ 823 = 462\ 724$		
$78.236 - 73.0008 = 5.1352$		
$0.0012 + 0.00012 = 0.00132$		
$\frac{10}{21} + \frac{10}{22} = \frac{215}{231}$	$\frac{10}{21} + \frac{10}{22}$ just under 1.	Correct or near to correct
$\frac{10}{21} - \frac{1}{4} = \frac{19}{84}$		
$10\frac{8}{9} + 5\frac{4}{5} = 15\frac{31}{45}$		
$100\frac{2}{3} - 10\frac{4}{5} = 91\frac{2}{15}$		
$103\frac{1}{2} - 8.05 = 95.45$		
$3\frac{1}{3} + 4.6666 = 8$		