

# Adding and Subtracting Decimals

## ANSWERS



**Section A** Use the standard algorithm to add and subtract the decimals.

1)	$\begin{array}{r} 3.7 \\ + 8.5 \\ \hline 12.2 \end{array}$	2)	$\begin{array}{r} 24.4 \\ + 7.7 \\ \hline 32.1 \end{array}$	3)	$\begin{array}{r} 85.8 \\ + 46.9 \\ \hline 132.7 \end{array}$	4)	$\begin{array}{r} 39.02 \\ + 84.1 \\ \hline 123.12 \end{array}$	5)	$\begin{array}{r} 55.6 \\ + 7.12 \\ \hline 62.72 \end{array}$
6)	$\begin{array}{r} 9.2 \\ - 4.6 \\ \hline 4.6 \end{array}$	7)	$\begin{array}{r} 88.5 \\ - 5.8 \\ \hline 82.7 \end{array}$	8)	$\begin{array}{r} 909.4 \\ - 89.7 \\ \hline 819.7 \end{array}$	9)	$\begin{array}{r} 53.18 \\ - 7.069 \\ \hline 46.111 \end{array}$	10)	$\begin{array}{r} 284.61 \\ - 35.9 \\ \hline 248.71 \end{array}$

**Section B** Use an appropriate method to answer the following sums.

1) $8.6 + 5.9 =$	<u>14.5</u>	6) $70.94 - 48.4 =$	<u>22.54</u>
2) $11.9 + 7.48 =$	<u>19.38</u>	7) $8.4 + 9.6 - 5.3 =$	<u>12.7</u>
3) $94.57 + 33.2 =$	<u>127.77</u>	8) $16.08 - 7.8 + 9.24 =$	<u>17.52</u>
4) $9.2 - 7.9 =$	<u>1.3</u>	9) $66.33 - 25.1 + 7.49 =$	<u>48.72</u>
5) $53.8 - 19.06 =$	<u>34.74</u>		

**Section C** Solve these problems involving decimals.

- Stanley stacks three books on top of each other. The first book is 2.5 cm thick, the second book is 1.82 cm thick and the third book is 0.9 cm thick. How tall is the stack of books? **5.22 cm**
- A family of four each take baggage with them on vacation. The baggage allowance per family is 91.2 kg. Jackson's baggage weighs 21.8 kg and his sister's baggage weighs 31.24 kg. Jackson's father's baggage weighs 19.03 kg and his mother's baggage weighs 39.59 kg.
  - How much have the family exceeded the baggage allowance by? **20.46 kg**
  - What is the total baggage allowance for 5 families? **456 kg**