

Simplification in Decimal

Ex-10 B, Q-10-11

Example: 4

Simplify $14.8 - 75.72 + 80 - 272$
 solution

$$\begin{array}{r}
 \text{I} \quad 14.8 \\
 + 80.0 \\
 \hline
 94.8
 \end{array}
 \qquad
 \begin{array}{r}
 \text{II} \quad 75.72 \\
 + 75.275 \\
 \hline
 150.995
 \end{array}
 \qquad
 \begin{array}{r}
 \text{III} \quad 94.800 \\
 - 80.995 \\
 \hline
 13.805
 \end{array}$$

H.W

11A) $3.26 + 5.4 - 6.8$

$$\begin{array}{r}
 \text{I} \quad 3.26 \\
 + 5.4 \\
 \hline
 8.66
 \end{array}
 \qquad
 \begin{array}{r}
 \text{II} \quad 8.66 \\
 - 6.80 \\
 \hline
 1.86
 \end{array}
 \qquad
 \text{ans} = 1.86$$

b) $8.8 - 3.65 - 15.008 + 30.625$

$$\begin{array}{r}
 \text{I} \quad 3.625 \\
 + 8.800 \\
 \hline
 12.425
 \end{array}
 \qquad
 \begin{array}{r}
 \text{II} \quad 15.008 \\
 + 3.650 \\
 \hline
 18.658
 \end{array}
 \qquad
 \begin{array}{r}
 \text{III} \quad 18.658 \\
 - 12.925 \\
 \hline
 5.733
 \end{array}$$

c) $141.6 - 100 \times 80.38 + 65.358$

$$\begin{array}{r}
 \text{I} \quad 65.358 \\
 + 141.600 \\
 \hline
 206.958
 \end{array}
 \qquad
 \begin{array}{r}
 \text{II} \quad 80.38 \\
 + 100.00 \\
 \hline
 180.38
 \end{array}
 \qquad
 \begin{array}{r}
 \text{III} \quad 206.958 \\
 - 180.380 \\
 \hline
 26.578
 \end{array}$$

d $50 - 18.11 + 249 - 40.88$

i) 249.9
 $+ 50.0$

 74.9

ii) 18.11
 $+ 40.88$

 58.99

iii) 674.80
 $- 58.99$

 15.91

e $37.3 - 18.46 + 50.2 - 2.36 + 20.7156$

50.2
 $+ 37.3$

 87.5

~~18.46~~
 2.36
 $+ 20.7156$

 41.5356

~~87.5~~
 $- 41.5356$

 45.9644

f $2000 - 155.984 - 529.85 + 0.7078$

~~0.7078~~
~~2000~~ 0.7078
 $+ 2000.0000$

 2000.7078

~~529.85~~
 529.85
 $+ 155.984$

 685.834

~~2000.7078~~
 $- 685.834$

 1314.8738