

## Answers to Practice Exercises for Chapter 7 – The Four Rules for Larger Numbers

### Set A - Question 5

Lay it out like this.

$$\begin{array}{r} 1 \ 6 \ 4 \\ \underline{3 \ 9} \\ \hline \end{array}$$

#### Decomposition Method

First subtract the units column.  $4 + 9$  won't give a positive answer, so take one of the 6 tens so that there are 5 left in the tens and the 4 units becomes 14 units.

Then,  $14 - 9 = 5$ .

$$\begin{array}{r} 1 \ \overset{5}{\cancel{6}} \ 14 \\ \underline{3 \ 9} \\ \hline 5 \end{array}$$

Now subtract the tens column,  $5 - 3 = 2$ . Also, there's nothing to subtract in the hundreds, so just write down the 1.

$$\begin{array}{r} 1 \ \overset{5}{\cancel{6}} \ 14 \\ \underline{3 \ 9} \\ \hline 1 \ 2 \ 5 \end{array}$$

#### Equal Additions Method

First subtract the units column.  $4 + 9$  won't give a positive answer, so add 1 to the 3 in the tens and add 10 to the 4 units making 14.

Then,  $14 - 9 = 5$ .

$$\begin{array}{r} 1 \ 6 \ \overset{1}{4} \\ \underline{\overset{4}{3} \ 9} \\ \hline 5 \end{array}$$

Now subtract the tens column,  $6 - 4 = 2$ . Also, there's nothing to subtract in the hundreds, so just write down the 1.

$$\begin{array}{r} 1 \ 6 \ \overset{1}{4} \\ \underline{\overset{4}{3} \ 9} \\ \hline 1 \ 2 \ 5 \end{array}$$