

Now the sum of 1 ten, 2 tens, 4 tens, and 6 tens, is 10 tens and 3 tens, or 13 tens; we therefore place the 3 tens under the column of tens and carry on the 1 hundred units to the next column, viz. the column of hundreds.

Again the sum of 1 hundred, 7 hundreds, and 4 hundreds, is 10 hundreds and 2 hundreds, or 12 hundreds; we therefore place the 2 hundreds under the column of hundreds, and carry on the 1 thousand units to the next column, viz. the column of thousands.

Again, the sum of 1 thousand and 5 thousands, is 6 thousands; we therefore place the 6 under the column of thousands, and the entire sum is 6239.

15. The above example might have been worked thus, putting down at full length the local value of all the figures.

$$\begin{array}{r} \text{Thus } 5469 = 5000 + 400 + 60 + 9 \\ \quad + 743 = \quad \quad + 700 + 40 + 3 \\ \quad + 27 = \quad \quad \quad + 20 + 7. \end{array}$$

Now adding the columns, we get the sum

$$\begin{array}{r} = 5000 + 1100 + 120 + 19 \\ = 5000 + 1000 + 100 + 100 + 20 + 10 + 9, \end{array}$$

$$\begin{array}{r} (\text{since } 1100 = 1000 + 100, \quad 120 = 100 + 20, \text{ and } 19 = 10 + 9) \\ = 6000 + 200 + 30 + 9, \end{array}$$

$$\begin{array}{r} (\text{collecting the thousands together, the hundreds together, and so on}) \\ = 6239. \end{array}$$

Note. The truth of all results in Addition may be proved by adding the columns first upwards as in the above example, and then adding them downwards; if the results be the same, the operation in each case will in all probability have been performed correctly.

Ex. II.

Examples in Simple Addition.

$$\begin{array}{r} (1) \quad 12 \\ \quad 35 \\ \quad 56 \\ \quad 80 \\ \hline 183 \end{array}$$

$$\begin{array}{r} (2) \quad 57 \\ \quad 87 \\ \quad 65 \\ \quad 43 \\ \hline \end{array}$$

$$\begin{array}{r} (3) \quad 234 \\ \quad 567 \\ \quad 753 \\ \quad 345 \\ \hline 1899 \end{array}$$

$$\begin{array}{r} (4) \quad 654 \\ \quad 321 \\ \quad 804 \\ \hline 509 \end{array}$$

$$\begin{array}{r} (5) \quad 494 \\ \quad 587 \\ \quad 656 \\ \quad 336 \\ \hline \end{array}$$

$$\begin{array}{r} (6) \quad 1721 \\ \quad 3333 \\ \quad 5046 \\ \hline 2754 \end{array}$$

$$\begin{array}{r} (7) \quad 750 \\ \quad 36 \\ \quad 1843 \\ \quad 561 \\ \hline 3190 \end{array}$$

$$\begin{array}{r} (8) \quad 4789 \\ \quad 2346 \\ \quad 3857 \\ \hline 5005 \end{array}$$