

Solution → Practice set - 2

1. (a) $79 + 189 + 122$

Estimating 79 to its nearest tens we get = 80

" 189 " " " " " " = 190

" 122 " " " " " " " = 120

Now adding them all we get,

$$80 + 190 + 120 = 390 \text{ Ans.}$$

(b) $189 - 172 - 21$

Now estimating or rounding all the terms off to their nearest tens we get,

$$189 \rightarrow 190$$

$$172 \rightarrow 170$$

$$21 \rightarrow 20$$

Now solving the sum we get,

$$190 - 170 - 20 = 20 - 20 = 0 \text{ Ans.}$$

(c) $24 \times 69 \times 132$

Now, estimating or rounding all the terms off to their nearest tens we get,

$$24 \rightarrow 20, 69 \rightarrow 70, 132 \rightarrow 130$$

Now solving the sum we get,

$$20 \times 70 \times 130 = 1400 \times 130$$

$$= 182000 \text{ Ans.}$$

$$2. \textcircled{a} 9999 \div 99$$

Estimating or rounding all the terms off to their nearest hundreds we get,

$$9999 \rightarrow 10000$$

$$99 \rightarrow 100$$

Now, after division we get,

$$10000 \div 100 = 100 \text{ Ans.}$$

$$\textcircled{b} 929 \times 79$$

Rounding all the terms off, we get,

$$929 \rightarrow 900$$

$$79 \rightarrow 100$$

After ~~dividing~~ multiplying we get,

$$900 \times 100 = 90000 \text{ Ans.}$$

$$\textcircled{c} 529 + 939 - 247$$

Rounding all the terms off to their nearest hundreds we get,

$$529 \rightarrow 500$$

$$939 \rightarrow 900$$

$$247 \rightarrow 200$$

After simplifying we get,

$$500 + 900 - 200$$

$$= 1400 - 200 = 1200 \text{ Ans.}$$

$$3. \text{ (a) } 2059 + 1347 - 999$$

Rounding all the terms off to their nearest thousands we get,

$$2059 \rightarrow 2000$$

$$1347 \rightarrow 1000$$

$$999 \rightarrow 1000$$

After simplifying we get,

$$2000 + 1000 - 1000$$

$$= 3000 - 1000 = 2000 \quad \underline{\text{Ans.}}$$

$$\text{(b) } 1723 \times 2104$$

Rounding all the terms off to their nearest thousands we get,

$$1723 \rightarrow 2000$$

$$2104 \rightarrow 2000$$

After multiplying we get,

$$2000 \times 2000 = 4000000 \quad \underline{\text{Ans}}$$