

Q. 07

Exercise 5 (F)

1) Estimate the following product to the nearest 10.

iii) 4251×26

Rounding off to nearest 10 we get --- 4250×30

$$\begin{array}{r}
 4250 \\
 \times 30 \\
 \hline
 0000 \\
 + 127500 \\
 \hline
 127500
 \end{array}$$

Actual Product = $(4251 \times 26) = 110526$

| | |
|--|--|
| $ \begin{array}{r} 4251 \\ \times 26 \\ \hline 25306 \\ + 85020 \\ \hline 110526 \end{array} $ | $ \begin{array}{r} 4251 \\ \times 26 \\ \hline 25506 \\ + 85020 \\ \hline 110526 \end{array} $ |
|--|--|

iv) 4352×33

Rounding off to the nearest 10 we get --- 4350×30

$$\begin{array}{r}
 4350 \\
 \times 30 \\
 \hline
 + 0000 \\
 130500 \\
 \hline
 130500
 \end{array}$$

Actual Product = $(4352 \times 33) = 143616$

| | |
|---|---|
| $ \begin{array}{r} 4352 \\ \times 33 \\ \hline 13056 \\ + 130560 \\ \hline 143616 \end{array} $ | $ \begin{array}{r} 4352 \\ \times 33 \\ \hline 13056 \\ + 130560 \\ \hline 143616 \end{array} $ |
|---|---|

v) 8321×17

Rounding off to the nearest 10 we get - 8320×20

$$\begin{array}{r} 8320 \\ \times 20 \\ \hline 0000 \\ + 166400 \\ \hline 166400 \\ 166400 \end{array}$$

Actual product = $(8321 \times 17) = 141457$

$$\begin{array}{r} \textcircled{2} \textcircled{1} \\ 8321 \\ \times 17 \\ \hline \textcircled{1} 58247 \\ + 83210 \\ \hline 141457 \end{array}$$