

Exercise 4.7

A)

① 27×5

27 is between 20 and 30

$20 \times 5 = 100$

$30 \times 5 = 150$

So, the product of 27 and 5 should be between 100 and 150.

Ans $\rightarrow 27 \times 5 = 135$

② 36×8

36 is between 30 and 40

$30 \times 8 = 240$

$40 \times 8 = 320$

So, the product of 36 and 8 should be between 240 and 320.

Ans $\rightarrow 36 \times 8 = 288$

③ 49×3

49 is between 40 and 50

$40 \times 3 = 120$

$50 \times 3 = 150$

So, the product of 49 and 3 should be between 120 and 150.

Ans $\rightarrow 49 \times 3 = 147$

④ 28×9

28 is between 20 and 30.

$20 \times 9 = 180$

$30 \times 9 = 270$

Ans $\rightarrow 28 \times 9 = 252$

So, the product of 28 and 9 should be between 180 and 270.

⑤ 31×7

31 is between 30 and 40.

$30 \times 7 = 210$

$40 \times 7 = 280$

So, the product of 31 and 7 should be between 210 and 280.

Ans $\rightarrow 31 \times 7 = 217$

$$\begin{array}{r}
 3 \\
 27 \\
 \times 5 \\
 \hline
 135
 \end{array}$$

(B) ① 26×12

26 rounds upto 30

12 rounds down to 10

Product should be around $30 \times 10 = 300$

Actual product = $26 \times 12 = 312$

Ans \rightarrow Estimated Product = 300

Actual product = 312

② 45×19

45 rounds upto 50

19 rounds upto 20

Product should be around $50 \times 20 = 1000$

Actual product = $45 \times 19 = 855$

Ans \rightarrow Estimated product = 1000

Actual product = 855

③ 63×17

63 rounds down to 60

17 rounds upto 20

Product should be around $60 \times 20 = 1200$

Actual product = $63 \times 17 = 1071$

Ans \rightarrow Estimated product = 1200

Actual product = 1071

④ 26×27

26 rounds upto 30

27 rounds upto 30

Product should be around $30 \times 30 = 900$

Actual product = $26 \times 27 = 702$

Ans \rightarrow Estimated product = 900

Actual product = 702