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Class-III, Sec-C

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Multiplication

A) 1) $6 \times 4 = 24$ 2) $12 \times 5 = 60$

B) 1) 2, 4, 6, 8, 10, 12, 14, 16

2) 3, 6, 9, 12, 15, 18, 21, 24

C) 1)
$$\begin{array}{r} {}^{1} \\ 3241 \\ \times \quad 4 \\ \hline 12964 \end{array}$$

2)
$$\begin{array}{r} {}^{2} \\ 8301 \\ \times \quad 7 \\ \hline 58107 \end{array}$$

D) 1)
$$\begin{array}{r} {}^{5} \\ 47 \\ \times \ 8 \\ \hline 376 \end{array}$$

$47 \times 8 = 376$ True

2)
$$\begin{array}{r} 80 \\ \times \ 6 \\ \hline 480 \end{array}$$

$80 \times 6 = 540$ False

E/ 1)
$$\begin{array}{r} \overset{1}{2}\ 3 \\ \times\ 2\ 4 \\ \hline 9\ 2 \\ +\ 4\ 6\ 0 \\ \hline 5\ 5\ 2 \end{array}$$

2)
$$\begin{array}{r} \overset{3}{3}\ 5 \\ \times\ 1\ 6 \\ \hline 2\ 1\ 0 \\ +\ 3\ 5\ 0 \\ \hline 5\ 6\ 0 \end{array}$$

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A) 2598 × 37

Rounding off to nearest 10, We get –

2600 × 40 = 104000

$$\begin{array}{r} \overset{2}{2}\ 6\ 0\ 0 \\ \times\ 4\ 0 \\ \hline 0\ 0\ 0\ 0 \\ +\ 1\ 0\ 4\ 0\ 0\ 0 \\ \hline 1\ 0\ 4\ 0\ 0\ 0 \end{array}$$

$$\begin{array}{r} \overset{1}{2}\ \overset{2}{5}\ \overset{2}{9}\ 8 \\ \times\ 3\ 7 \\ \hline 1\ 8\ 1\ 8\ 6 \\ +\ 7\ 7\ 9\ 4\ 0 \\ \hline 9\ 6\ 1\ 2\ 6 \end{array}$$

Actual product

= 2598 × 37 = 96126

so

b) $7358 \times 9 = 66222$

	7	3	5	8	
6	6 3	2 7	4 5	7 2	9
	6	2	2	2	

c)
$$\begin{array}{r} 2\ 1 \\ 7\ 9\ 5 \end{array}$$

$$\begin{array}{r} \times \quad 3\ 9 \\ \hline 17^{1}11^{1}55 \\ +23850 \\ \hline 31005 \end{array}$$

d) 1) Largest 3-digit no. $= \overset{8}{9}\overset{8}{9}9$

Largest 2-digit no. $= \times \quad 9\ 9$

$$\begin{array}{r} 18^{1}9^{1}9\ 1 \\ +\ 8\ 9\ 9\ 1\ 0 \\ \hline 9\ 8\ 9\ 0\ 1 \end{array}$$

So, the product of largest 3-digit and largest 2-digit no. is 98901.

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2) No. of flowers in each bouquet = 45

No. of bouquets = 37

No. of flowers he need = 45 × 37

$$\begin{array}{r} {\scriptstyle 1} \\ 45 \\ \times\ 37 \\ \hline 315 \\ +1350 \\ \hline 1665 \end{array}$$

So, 1665 flowers he needs to make 37 bouquets.