

Date

EXERCISE - 3G

Q.A. Find the product: Solutions: PAGE: 35

Q.B. Multiply:

$$\begin{array}{r}
 (7) \quad 13087 \\
 \times 598 \\
 \hline
 104696 \\
 1177830 \\
 +6543500 \\
 \hline
 78,26,026 \text{ Ans}
 \end{array}$$

$$\begin{array}{r}
 (1) \quad 2517 \\
 \times 531 \\
 \hline
 2517 \\
 75510 \\
 +1258500 \\
 \hline
 13,36,527 \text{ Ans}
 \end{array}$$

$$\begin{array}{r}
 (9) \quad 531256 \\
 \times 532 \\
 \hline
 1062512 \\
 15937680 \\
 +265628000 \\
 \hline
 28,26,28,192 \text{ Ans}
 \end{array}$$

$$\begin{array}{r}
 (5) \quad 2446 \\
 \times 2519 \\
 \hline
 22014 \\
 24460 \\
 1223000 \\
 +4892000 \\
 \hline
 61,61,474 \text{ Ans}
 \end{array}$$

$$\begin{array}{r}
 (17) \quad 43016 \\
 \times 7312 \\
 \hline
 86032 \\
 430160 \\
 12904800 \\
 +301112000 \\
 \hline
 31,45,32,992 \text{ Ans}
 \end{array}$$

$$\begin{array}{r}
 (11) \quad 72006 \\
 \times 2083 \\
 \hline
 216018 \\
 5760480 \\
 0000000 \\
 +144012000 \\
 \hline
 14,99,88,498 \text{ Ans}
 \end{array}$$

Word Problems:

Q.1. Solution:

a) ∴ Cost of 1 quintal of rice = ₹1425	1425
	<u>× 397</u>
b) ∴ Cost of 397 quintals of rice = ₹1425 × 397	9975
	<u>128250</u>
	<u>+ 427500</u>
c) Hence, amount of money the farmer got = ₹5,65,725	<u>5,65,725</u>

Q.2. Solution:

a) ∴ Quantity of oil 1 drum contains = 1476 l	1476
	<u>× 436</u>
b) ∴ Quantity of oil 436 drums contain = 1476 l × 436	8856
	<u>44280</u>
	<u>+ 590400</u>
c) Hence, 436 drums will contain 6,43,536 l of oil. Ans	<u>6,43,536</u>

Q.3. Solution:

a) ∴ No. of passengers can travel in 1 train = 1854	1854
	<u>× 783</u>
b) ∴ No. of passengers can travel in 783 trains = 1854 × 783	5562
	<u>148320</u>
	<u>+ 1297800</u>
	<u>14,51,682</u>
c) Hence, 14,51,682 passengers can travel in 783 trains.	<u>14,51,682</u>

Q.4. Solution: Step-I

- a) ∴ 1 month = 30 days
- b) ∴ 270 months = 270 × 30 days = 8100 days

EXERCISE - 3H

Q.4.

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Step-II

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c) ∴ No. of words a computer operator can compose in 1 day = 7381	7381
	x 8100

	0000
d) ∴ No. of words he will compose in 270 months i.e. in 8100 days = 7381 x 8100	00000
	738100

	+59048000

	59786100
e) Hence, the computer operator will compose	

Q.5. Solution: 5,97,86,100 words in 270 months. Ans.

a) No. of primary schools in a state = 1435	1435
b) No. of students in each school = 1075	x 1075

c) Total no. of students in that state = 1435 x 1075	7175
	100450
	000000

	+1435000

	15,42,625
d) Hence, the total no. of primary students in that state is 15,42,625.	

Q.6. Solution:

Step-I

Ans.

a) ∴ 1 year = 365 days	1875
b) ∴ 4 years = 365 x 4 = 1460 days	x 1460

	0000

Step-II

c) ∴ No. of toys a factory can produce in 1 day = 1875	112500
d) ∴ No. of toys it will produce in 4 years i.e. in 1460 days = 1875 x 1460	750000

	+1875000

	27,37,500
e) Hence, the factory will produce 27,37,500 toys in 4 years.	

Q.7. Solution:

a) ∴ Weight of 1 bag of wheat = 4 kg 750g	kg g
b) ∴ Weight of 1427 bags of wheat = 4 kg 750g x 1427	4 750
	x 1427

	33 250
	95 000

	6778 250
c) Hence, the weight of 1427 such bags of wheat is 6778 kg 250g.	

Q.8. Solution:

- a) No. of days in a leap year = 366
 b) No. of hours in a day = 24
 c) No. of minutes in an hour = 60
 d) No. of minutes in a leap year = $366 \times 24 \times 60$
 e) Hence, no. of minutes are there in a leap year = 366×1440 Ans

$$\begin{array}{r} 1440 \\ \times 366 \\ \hline 8640 \\ 86400 \\ + 432000 \\ \hline 5,27,040 \end{array}$$

Q.9. Solution:

- a) No. of pages in a novel = 226
 b) No. of lines in each page = 21
 c) No. of words in each line = 37
 d) \therefore No. of words are there in the whole book = $226 \times 21 \times 37$
 $= 226 \times 777$
 $= 1,75,602$ Ans

$$\begin{array}{r} 37 \\ \times 21 \\ \hline 777 \\ + 740 \\ \hline 777 \\ + 158200 \\ \hline 1,75,602 \end{array}$$

- e) Hence, there are 1,75,602 words in the whole book.

Q.10. Solution:

- a) No. of days = 15
 b) No. of hours in a day = 24
 c) No. of minutes in an hour = 60
 d) No. of seconds in a minute = 60
 e) \therefore No. of seconds are there in 15 days = $15 \times 24 \times 60 \times 60$
 $= 15 \times 24 \times 3600$
 $= 360 \times 3600$
 $= 12,96,000$ Ans

$$\begin{array}{r} 24 \\ \times 15 \\ \hline 120 \\ + 240 \\ \hline 360 \\ \times 360 \\ \hline 0000 \\ 216000 \\ + 1080000 \\ \hline 12,96,000 \end{array}$$

- f) Hence, there are 12,96,000 seconds in 15 days.