

SOLUTIONS OF EXERCISE - 6F PAGE-81
(WORD PROBLEMS ON MULTIPLICATION)

Q.1. Solution:

a) ∴ Cost of 1 pack of Ghee = ₹ 308	308
b) ∴ Cost of 97 such packs of Ghee = ₹ 308 × 97	× 97
= ₹ 29,876	2156
c) Hence, the cost of 97 packs of Ghee is ₹ 29,876. <u>Ans</u>	+ 27720
	29,876

Q.2. Solution:

a) ∴ No. of pages are there in a notebook = 622	622
b) ∴ No. of pages are there in 65 such notebooks = 622 × 65	× 65
= 40,430	3110
c) Hence, there are <u>40,430 pages</u> in 65 notebooks. <u>Ans</u>	+ 37320
	40,430

Q.3. Solution:

a) ∴ No. of books 1 rack can hold = 1,850	1850
b) ∴ No. of books 46 such racks can hold = 1,850 × 46	× 46
= 85,100	11100
c) Hence, <u>85,100 books</u> can be kept in 46 racks. <u>Ans</u>	+ 74000
	85,100

Q.4. Solution:

a) \therefore Cost of 1 transistor = ₹ 1,642

b) \therefore Cost of 95 such transistors = ₹ 1,642 \times 95
= ₹ 1,55,990

c) Hence, the cost of 95 transistors is ₹ 1,55,990 Ans.

1642

 \times 95

8210

+147780

1,55,990

Q.5. Solution:

a) \therefore By selling 1 quintal of rice, the farmer got = ₹ 1,525

b) \therefore By selling 735 quintals of rice, he got = ₹ 1,525 \times 735
= ₹ 11,20,875

c) Hence, the farmer got ₹ 11,20,875 by selling 735 quintals of rice. Ans

1525

 \times 735

7625

45750

+1067500

11,20,875

Q.6. Solution:

Step-I

a) \therefore 1 month = 30 days

b) \therefore 4 months = 30 \times 4 = 120 days

Step-II

c) \therefore No. of words a computer operator can compose in 1 day = 8,314

d) \therefore No. of words he will compose in 120 days = 8,314 \times 120
= 9,97,680

e) Hence, the computer operator will compose 9,97,680 words in 4 months. Ans

8314

 \times 120

0000

166280

+831400

9,97,680

Q.7. Solution:	314
a) \therefore Cost of 1 doll = ₹ 314	<u>× 680</u>
b) \therefore Cost of 680 such dolls = ₹ 314 × 680	000
= ₹ 2,13,520	25120
c) Hence, the cost of 680 dolls	+188400
is <u>₹ 2,13,520</u> Ans.	<u>2,13,520</u>

Q.8. Solution: Step - I	
a) \therefore 1 dozen of oranges = 12 oranges	180
b) \therefore 15 dozens of oranges = 15 × 12 oranges	<u>× 825</u>
= 180 oranges	900
Step - II	3600
c) \therefore No. of oranges 1 carton can hold = 180	+144000
d) \therefore No. of oranges 825 such cartons	<u>1,48,500</u>
can hold = 180 × 825	
= 1,48,500	
e) Hence, there are <u>1,48,500</u> oranges	
in 825 cartons. Ans	

Q.9. Solution:	
a) \therefore No. of candles produced by	814
the factory in 1 day = 814	<u>× 365</u>
b) \therefore No. of days in 1 year = 365	4070
c) \therefore No. of candles produced by	48840
the factory in 365 days = 814 × 365	+244200
= 2,97,110	<u>2,97,110</u>
d) Hence, the factory will produce	
<u>2,97,110</u> candles in one year. Ans	

Q.10. Solution:

a) \therefore Capacity of 1 water tank = 7,325 l

b) \therefore Capacity of 125 such water tanks = 7,325 l \times 125
= 9,15,625 l

c) Hence, the storage capacity of the city is 9,15,625 l. Ans

7325

 \times 125

36625

146500

+ 7325009,15,625Q.11. Solution:

a) \therefore Weight of 1 bag of wheat = 5 kg 850 g

b) \therefore Weight of 235 such bags of wheat = 5 kg 850 g \times 235
= 1,374 kg 750 g

c) Hence, the weight of 235 bags of wheat is 1,374 kg 750 g. Ans

kg g

5 850

 \times 235

29 250

175 500

+ 1170 0001374 750Q.12. Solution:

a) \therefore Weight of 1 toy = 736 g

b) \therefore Weight of 250 such toys = 736 g \times 250
= 1,84,000 g
= 184 kg

\therefore 1000 g = 1 kg

\therefore 1,84,000 g = 1,84,000 \div 1000
= 184 kg

736

 \times 250

000

36800

+ 1472001,84,000c) Hence, the weight of 250 toys is 184 kg. Ans

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