13

Ways to Multiply and Divide



A. Multiply and find the product using box multiplication.

(a) 34 x 16

30		4
10	$30 \times 10 = 300$	$4 \times 10 = 40$
6	30 x 6 = 180	4 x 6 = 24

$$34 \times 16 = 300 + 40 + 180 + 24$$

= 544

(d) 79 x 12



(b) 66 x 13



(e) 65 x 45



=

(c) 81 x 11



$$81 \times 11 =$$

_

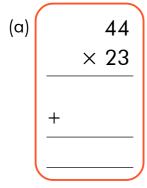
(f)
$$22 \times 21$$



$$22 \times 21 =$$

=

B. Multiply using another method.



(e) 84 × 33 + (i) 61 × 51 +

(f) 48 × 78 + _____

(j) 37 × 63 +

(g) 66 × 29 + (k) 99 × 11 +

(h) 51 × 27 +

(l) 19 × 49 +

C. Answer the following questions.

1. Sonu loves baking cookies. Her recipe requires 20 cups of flour for each batch, and she wants to make enough cookies for a sale. If she plans to make 8 batches, how many cups of flour will she need in total?
2. The school is organizing a tree planting activity. Each student will plant 3 trees, and there are 25 students in the class and total 10 classes. How many trees will be planted in total?
3. At the park, there are 4 benches, and each bench can seat 5 people. How many people can sit on all the benches at the park?
4. The library has 7 almirah to keep books, each almirah has 5 shelves and each shelf has 12 books on it. How many books are there in the library in total?
5. Krishnan sell 50 idli's a day at ₹ 12 per idli. How much money will he earn daily?
6. A baker have 12 boxes to keep muffins and puts 6 muffins in each of them. How many muffins are there?

D. Read the chart and answer the following questions.

The table show the monthly salaries of 5 employees at M2 IT company.

Employee	Salary
Venkat	₹ 19000
Shrijesh	₹ 16000
Rambabu	₹ 27000
Ankit	₹ 20000
Tejas	₹ 21000

- 1. How much salary does Shrijesh gets in a year?
- 2. How much salary will Tejas get in a year if he was on leave for 1 month?
- 3. What is the monthly total payout of the M2 IT company?
- 4. What will be the daily salary of Rambabu in the month of April?
- 5. How much salary does Venkat gets in half year?
- 6. How much salary does Ankit and Shrijeesh gets in 3 months?

E. Complete the following division.

(a)
$$6624 \div 6$$

(c)
$$874 \div 3$$

(e)
$$5660 \div 20$$

(b)
$$7782 \div 7$$

(d)
$$951 \div 6$$

(f)
$$4383 \div 13$$

F. Complete the following division.

- 1. A farmer has 36 apples and wants to share them equally among 4 baskets. How many apples will be in each basket?
- 2. The cafeteria has 20 pizzas to be divided among 5 classes. How many pizzas will each class receive?
- 3. Samir has 48 markers and wants to share them with his friends, giving each friend 8 markers. How many friends can he share with?
- 4. There are 72 cupcakes arranged in rows. If there are 9 cupcakes in each row, how many rows are there?

Answers

- (a) 544
- (b) 858
- (c) 891
- (d) 948
- (e) 2925
- (f) 462
- B.
- (a) 1012
- (b) 882
- (c) 2201
- (d) 1184
- (e) 2772
- (f) 3744
- (g) 1914
- (h) 1377
- (i) 3111
- (i) 2331
- (k) 1089
- (1)931
- C.
- 1. 20 cups for each batch, makes 8 batches. Total cups of flour = $20 \times 8 = 160 \text{ cups}$
- 2. Each student 3 trees.

Total trees planted = $3 \times 25 \times 10 = 750$

3. 4 beanches, each bench 5 people.

Total $4 \times 5 = 20$ people

- 4. Total books in library = $12 \times 5 \times 7 = 420$
- 5. Money earn each day = $20 \times 12 = 240$

- 6. Total muffins are $12 \times 6 = 72$
- D.
- 1. Shrijesh gets = $16000 \times 12 = 192000$
- 2. Tejas gets = $21000 \times 11 = 231000$
- 3. Total payout =

19000+16000+27000+20000+21000 = 103000

- 4. There are 30 Day in the month of April. Rambabu will get 27000/30 = 900 daily
- 5. Venkat will get 19000 x 6 = 114000 in 6
- 6. Ankin and Shrijesh will get $(20000+16000) \times 3 = 108000$
- E.

months

- (a) 1104, remainder 0
- (b) 1111, remainder 5
- (c) 291, remainder 1
- (d) 158, remainder 3
- (e) 283, remainder 0
- (f) 337, remainder 2
- F.
- 1. In each basket there will be 36/4 = 9 apples
- 2. Each class will receive 20/5 = 4 pizzas
- 3. Samir can share with 48/8 = 6 friends
- 4. There are 72/9 = 8 rows