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Ways to Multiply and Divide



A. Multiply and find the product using box multiplication.

(a) 34×16

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

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

$$= 544$$

(d) 79×12

$$79 \times 12 =$$

$$=$$

(b) 66×13

$$66 \times 13 =$$

$$=$$

(e) 65×45

$$65 \times 45 =$$

$$=$$

(c) 81×11

$$81 \times 11 =$$

$$=$$

(f) 22×21

$$22 \times 21 =$$

$$=$$

B. Multiply using another method.

(a)

$$\begin{array}{r} 44 \\ \times 23 \\ \hline \\ + \\ \hline \\ \hline \end{array}$$

(e)

$$\begin{array}{r} 84 \\ \times 33 \\ \hline \\ + \\ \hline \\ \hline \end{array}$$

(i)

$$\begin{array}{r} 61 \\ \times 51 \\ \hline \\ + \\ \hline \\ \hline \end{array}$$

(b)

$$\begin{array}{r} 63 \\ \times 14 \\ \hline \\ + \\ \hline \\ \hline \end{array}$$

(f)

$$\begin{array}{r} 48 \\ \times 78 \\ \hline \\ + \\ \hline \\ \hline \end{array}$$

(j)

$$\begin{array}{r} 37 \\ \times 63 \\ \hline \\ + \\ \hline \\ \hline \end{array}$$

(c)

$$\begin{array}{r} 71 \\ \times 31 \\ \hline \\ + \\ \hline \\ \hline \end{array}$$

(g)

$$\begin{array}{r} 66 \\ \times 29 \\ \hline \\ + \\ \hline \\ \hline \end{array}$$

(k)

$$\begin{array}{r} 99 \\ \times 11 \\ \hline \\ + \\ \hline \\ \hline \end{array}$$

(d)

$$\begin{array}{r} 74 \\ \times 16 \\ \hline \\ + \\ \hline \\ \hline \end{array}$$

(h)

$$\begin{array}{r} 51 \\ \times 27 \\ \hline \\ + \\ \hline \\ \hline \end{array}$$

(l)

$$\begin{array}{r} 19 \\ \times 49 \\ \hline \\ + \\ \hline \\ \hline \end{array}$$

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
- (j) 2331
- (k) 1089
- (l) 931

C.

1. 20 cups for each batch, makes 8 batches.

Total cups of flour = $20 \times 8 = 160$ cups

2. Each student 3 trees.

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

3. 4 benches, 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 $19000 \times 6 = 114000$ in 6 months

6. Ankin and Shrijesh will get $(20000 + 16000) \times 3 = 108000$

E.

(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