Preactivity - Lets Begin from T.B. page no. **109**

T.B PAGE 94

Concrete Stage

Use 'Counters' to calculate the given multiplication fact, and write the number of specific counters that you used.

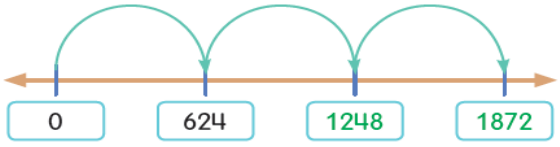
a) 1203 × 3 = 3609. The number of 1000 counters used is 3

b) 2147 × 2 = 4,294. The number of 1 counters used is 4

Pictorial Stage

1 Look at the number line, and fill in the boxes with appropriate numbers.

a) 624 × 3 = 1872



b) 816 × 5 = 4080

2 Observe the counters, and fill in the boxes to complete the multiplication number statement.

There are 3 groups of 1130.

1130 × 3 = 3390

Abstract Stage

Find the products.

a) 13 × 15 = 195

b) 140 × 12 = 1680

c) 7 × 2000 = 14,000

d) 600 × 120 = 72,000

e) 621 × 11 = 6,831

f) 522 × 300 = 156,600

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Concrete Stage

Use 'Counters' to calculate the following.

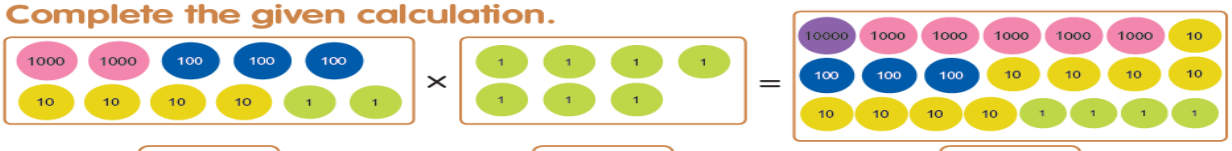
a Find the product of 3568 × 60, and circle the answer.

i. 214080 ii. 124082 iii 412080 iv 412088

b The product of 3798 and 14 is 53,172.

Pictorial Stage

1 **Complete the given calculation.**



2342 × 7 = 16394

2 **Find the product of the given numbers and fill in the boxes with appropriate numbers.**

a 75 × 20 = 1500 b 31 × 200 = 6,200

Abstract Stage

1 **Answer the following questions.**

a On a highway, the lamp posts are placed in such a way that the distance between two posts is 10 metres. There are 101 lamp posts on the highway in total. Find the distance between the first and the last lamp posts.

Answer: 1,010 metres

b During summer holiday, Mita collected 15 bags of seashells, each bag with 1402 shells. Riya collected 18 bags of seashells, each bag with 1042 shells. Who collected more shells and by how much?

Answer: Mita collected= 21,030 shells

Rita collected = 18,756 shells

Mita collected more shells than Riya by 2,274.

2 **Make a 4-digit number by filling up the boxes, and complete the multiplication sentence.**

a 3 6 2 1 × 25 = 90,525 b 4 6 6 2 × 100 = 4,66,200

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Concrete Stage

1 **Use 'Counters', divide into groups, and find the quotient.**

a 2680 ÷ 2 = 1340 b 2436 ÷ 3 = 812

2 Use 'Counters', divide the following numbers. Tick (✓) if it is compatible, and cross (×) if it is non-compatible.

a 800 ÷ 100

quotient : 8

remainder: 0

compatible ✓

b 63,153 ÷ 1000

quotient: 63

remainder: 153

compatible ×

Abstract Stage

1 Complete the division number sentences.

a 6521 ÷ 3 = 2,173

b 6050 ÷ 2 = 3,025

c 1052 ÷ 4 = 263

d 7839 ÷ 9 = 871

2 Solve the following.

a 8000 ÷ 100 = 80

b 8000 ÷ 1000 = 8

c 8000 ÷ 10 = 800

d 3000 ÷ 10 = 300

e 13,000 ÷ 1000 = 13

f 7500 ÷ 100 = 75

g 7520 ÷ 100 = 75 R2

h 62176 ÷ 1000 = 62 R176

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Concrete Stage

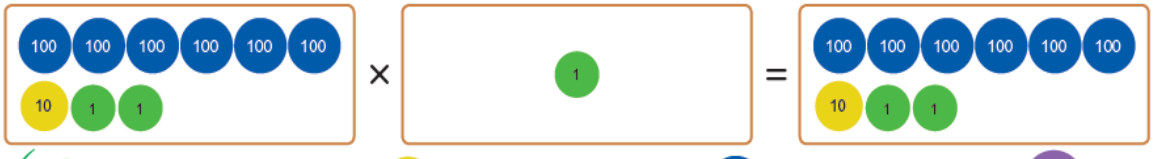
Use 'Counters', represent any two multiplication and division properties. Follow your teacher's instruction.

Answer: Answer may vary.

Pictorial Stage

Observe the counter representations. Fill in the boxes, and tick (✓) the counter that is missing.

a



i. ✓ 1 ii. 10 iii. 100 iv. 10000

b

i. 10 ii. 100 iii. ✓ 1 iv. 10000

Abstract Stage

1 **Match each calculation with its property.**

a	$21 \times 1 = 21$	i.	Zero property of multiplication
b	$21 \times 0 = 0$	ii.	Identity property of division
c	$24 \div 24 = 1$	iii.	Identity property of multiplication
d	$24 \div 1 = 24$	iv.	Division by itself

2 **Look at the equations given below and write down 2 multiplication facts of them.**

a $450 \div 10 = 45$

$45 \times 10 = 450$

$10 \times 45 = 450$

b $7210 \div 10 = 721$

$721 \times 10 = 7210$

$10 \times 721 = 7210$

Activity Zone

Order in a Minute.

Play this game with your partner. Follow the instructions and complete the number statements. The partner who completes maximum number of questions correctly in a minute wins the game. For each multiplication fact, write another multiplication fact for the same product with three numbers. The first one is done for you.

a	5×8	$= 40$	$5 \times 2 \times 4 = 40$
b	9×4	$= 36$	$2 \times 9 \times 2 = 36$
c	9×8	$= 72$	$3 \times 12 \times 2 = 72$
d	5×9	$= 45$	$3 \times 3 \times 5 = 45$
e	18×9	$= 162$	$2 \times 9 \times 9 = 162$
f	100×6	$= 600$	$1 \times 60 \times 10 = 600$
g	7×80	$= 560$	$1 \times 56 \times 10 = 560$
h	600×14	$= 8400$	$1 \times 84 \times 100 = 8400$
i	80×80	$= 6400$	$1 \times 64 \times 100 = 6400$

Blooming Questions

1 Here is a number fact. 14 × 37 = 518. Use this fact to decide whether these calculations are true or false.

a) 518 ÷ 37 = 14 (true/false) b) 37 ÷ 518 = 14 (true/false)

2 Find the product by lattice algorithm method.

a) 45 × 63 = 2,835
b) 827 × 27 = 22,329
c) 570 × 43 = 24,510
d) 36 × 29 = 1044

3 Find the product by column method.

a) 382 × 4 = 1,528
b) 927 × 7 = 6,489
c) 95 × 8 = 760
d) 739 × 9 = 6,651

4 Solve the following division problems.

a) 53,843 ÷ 14 = 3845 R9
b) 83,151 ÷ 51 = 1630 R4
c) 827 ÷ 7 = 118 R14
d) 10,340 ÷ 18 = 574 R44

5 Solve the following story sums.

a) Priti can weave 291 stitches in an hour. How many stitches will she weave in a day?
Answer: 6,984

b) If a box contains 326 chocolates, how many chocolates would be there in 120 boxes?
Answer: 39,120

c) In an orange orchard, 3195 oranges are plucked in a day. These have to be packed in boxes. If 25 oranges are to be packed in one box, how many boxes will be required? Would there be any oranges that will remain unpacked?
Answer: 127 boxes will be required and 8 oranges remain unpacked.

d) A metro train carried a total of 2847 passengers in 3 trips. The train carried an equal number of passengers per trip. How many passengers did travel in each trip?
Answer: 949

e) In a tree planting campaign, school children planted 540 trees in 30 equal rows. How many trees did they plant in each row?
Answer: 18

f) The product of two numbers is 1944. If one of the numbers is 36, what is the other number?
Answer: 54

Mental Maths

Solve the given questions.

a. 56,381 × 0 = 0

b. 2834 × 1 = 2834

c. 0 × 5839 = 0

d. 78,235 × 1 = 78,235

e. 7000 × 50 = 350,000

f. 235 × 1000 = 235,000

g. 7352 × 500 = 36,76,000

h. 815 × 5 × 20 = 81,500

i. 238 × 50 × 2 = 23,800

j. 375 × 500 × 2 = 375,000

k. 156 ÷ 1 = 156

l. 0 ÷ 2850 = 0

m. 3250 ÷ 10 = 325

n. 85,000 ÷ 1000 = 85

o. 0 ÷ 95 = 0

p. 13,529 ÷ 13,529 = 1

q. 1,50,000 ÷ 5000 = 30

r. 144 ÷ 12 = 12

Post Activity: - Estimate the quotient of 2719 ÷ 37

Sub Teacher **HOD** **COORDINATOR** **PRINCIPAL**