

Ch-4 **MULTIPLICATION**

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1.) Express repeated addition as multiplication

(a)  $4 + 4 + 4 + 4 + 4 = 4 \times 5$

(b)  $7 + 7 + 7 = 7 \times 3$

(c)  $10 + 10 + 10 = 10 \times 3$

H.W - d, e, f

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2.) Express multiplication as repeated addition

(a)  $4 \times 5 = 4 + 4 + 4 + 4 + 4$

(b)  $7 \times 2 = 7 + 7$

(c)  $10 \times 4 = 10 + 10 + 10 + 10$

H.W - d, e

3.) Fill in the boxes.

(a) How many stools are there? 5  
How many legs are there in each stool? 4

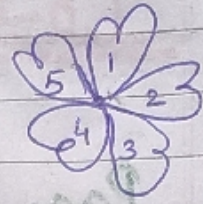
$5 \times 4 = 20$

There are 20 legs in all.



(b) There are  flowers.  
Each flower has  petals.

$$3 \times 5 = 15$$



There are  petals in all.

4.) Fill in the boxes.

(a)

$$\boxed{3} + \boxed{3} + \boxed{3} + \boxed{3} = \boxed{12}$$

$$= \boxed{3} \times \boxed{4} = \boxed{12}$$

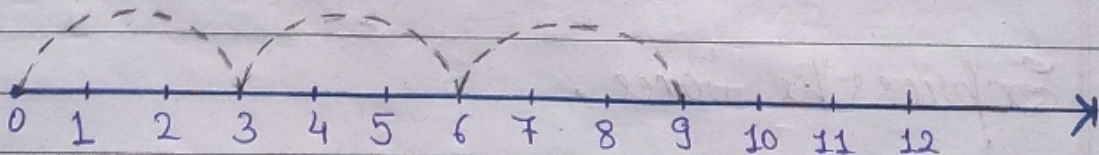
(b)  +  +  +  +  =

$$= \boxed{4} \times \boxed{5} = \boxed{20}$$

H.W - ch. d

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1.)



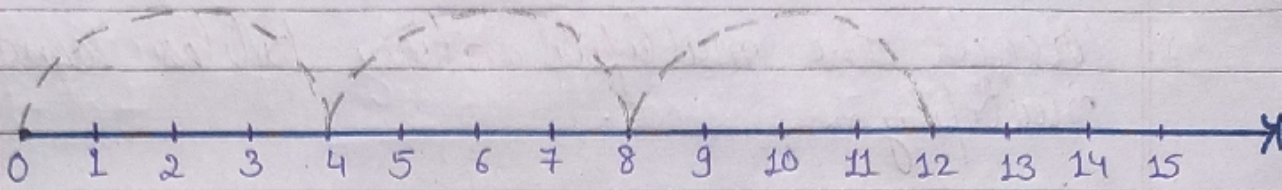
The ball will take  jumps of 3 to reach the ball at 9.

$$\boxed{3} \times \boxed{3} = \boxed{9}$$



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2.)



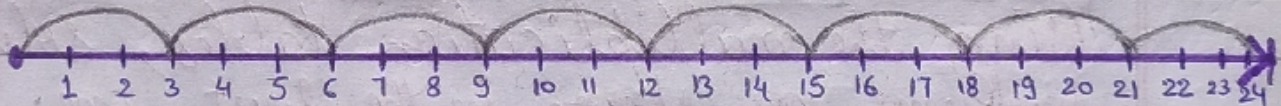
The ball will take  $\boxed{4}$  jumps of  $\boxed{3}$  to reach the bat at 12.

$$\boxed{4} \times \boxed{3} = 12.$$

Q.3) → H.W

4.) Multiply on the number line.

(a)  $3 \times 8 = 24$



H.W - b, c

LEARN - Multiplication Table

of :- 2, 3, 4, 5, 6, 7, 8, 9, 10.

Pg No. - 69, 70, 72, 73, 74 & 75.



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Recall the multiplication tables and multiply:

(a)	$\begin{array}{r} 2 \\ \times 6 \\ \hline 12 \end{array}$	(b)	$\begin{array}{r} 3 \\ \times 9 \\ \hline 27 \end{array}$	(c)	$\begin{array}{r} 1 \\ \times 6 \\ \hline 06 \end{array}$	(d)	$\begin{array}{r} 5 \\ \times 5 \\ \hline 25 \end{array}$	(e)	$\begin{array}{r} 8 \\ \times 7 \\ \hline 56 \end{array}$
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H.W - 7 to 10

(u)	$\begin{array}{r} 10 \\ \times 5 \\ \hline 50 \end{array}$	(v)	$\begin{array}{r} 3 \\ \times 9 \\ \hline 27 \end{array}$	(w)	$\begin{array}{r} 7 \\ \times 9 \\ \hline 63 \end{array}$	(x)	$\begin{array}{r} 9 \\ \times 9 \\ \hline 81 \end{array}$	(y)	$\begin{array}{r} 10 \\ \times 7 \\ \hline 70 \end{array}$
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Page - 77 (Word Problems)

Using the multiplication tables, solve the problems as shown in the first one.

- 1) There are 3 pumpkin plants. Each plant has 6 pumpkins. How many pumpkins are there altogether?

18 pumpkins.

$$\begin{array}{r} 3 \\ \times 6 \\ \hline 18 \end{array}$$

- 2) There are 8 bicycles. Each bicycle has 2 wheels. How many wheels are there in all?

16 wheels.

$$\begin{array}{r} 8 \\ \times 2 \\ \hline 16 \end{array}$$



- 3.) Sarita has 3 shelves. There are 8 toys in each shelf. How many toys are there in all?

$$\begin{array}{r} 3 \\ \times 8 \\ \hline 24 \end{array} \quad \underline{24 \text{ Toys}}$$

H.W - 4 to 6      Q. 5 - Important

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\* Zero multiplied by any number is zero.

\* Any number multiplied by zero is zero.

Fill in the Boxes.

$$0 \times 5 = \boxed{0} \quad 2 \times 0 = \boxed{0} \quad 6 \times \boxed{0} = 0$$

$$3 \times \boxed{0} = 0 \quad \boxed{0} \times 2 = \boxed{0} \quad \boxed{0} \times 9 = \boxed{0}$$

\* 1 multiplied by any number is always the number itself.

$$4 \times 1 = \boxed{4} \quad 1 \times 5 = \boxed{5} \quad 1 \times 1 = \boxed{1}$$

$$3 \times 1 = \boxed{3} \quad 9 \times 1 = \boxed{9} \quad 1 \times 8 = \boxed{8}$$



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1.) Using the order property of multiplication, fill in the boxes.

(a)  $3 \times 2 = \boxed{2} \times 3$       (b)  $6 \times 5 = \boxed{5} \times 6$

(c)  $8 \times 2 = 2 \times \boxed{8}$       (d)  $7 \times 3 = 3 \times \boxed{7}$

H.W - e, f

2.) Multiply and fill in the boxes.

(a)  $5 \times 8 = \boxed{40} = 8 \times \boxed{5}$

(b)  $4 \times 7 = \boxed{28} = \boxed{7} \times 4$

(c)  $0 \times 6 = \boxed{0} = 6 \times \boxed{0}$

3.) Fill in the boxes.

(a)  $7 \times 3 = \boxed{21}$   
 $3 \times 7 = \boxed{21}$

(b)  $5 \times \boxed{8} = 40$   
 $\boxed{8} \times 5 = 40$

(c)  $6 \times 7 = \boxed{42}$   
 $\boxed{7} \times 6 = 42$

(d)  $7 \times \boxed{4} = 28$   
 $\boxed{4} \times 7 = 28$

H.W - e, f



Page No. - 80 & 81.

Multiplicand		Multiplier		Product
	↓		↓	↓
14	x	2	=	28

Multiply to find the product.

1) $\begin{array}{r} 42 \\ \times 2 \\ \hline 84 \end{array}$	2) $\begin{array}{r} 23 \\ \times 3 \\ \hline 69 \end{array}$	3) $\begin{array}{r} 59 \\ \times 1 \\ \hline 59 \end{array}$	4) $\begin{array}{r} 33 \\ \times 2 \\ \hline 66 \end{array}$
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First Step -  $2 \times 2 = 4$  } Don't Write in Copy.

Second Step -  $2 \times 4 = 8$  } 5 to 16 - H.W

17) $\begin{array}{r} 725 \\ \times 1 \\ \hline 725 \end{array}$	18) $\begin{array}{r} 332 \\ \times 2 \\ \hline 664 \end{array}$	19) $\begin{array}{r} 547 \\ \times 1 \\ \hline 547 \end{array}$	20) $\begin{array}{r} 210 \\ \times 3 \\ \hline 630 \end{array}$
--	--	--	--

1<sup>st</sup> Step -  $1 \times 5 = 5$  } Don't write in Copy.

2<sup>nd</sup> Step -  $1 \times 2 = 2$  } Only for explanation.

3<sup>rd</sup> Step -  $1 \times 7 = 7$  }

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Multiply the following.

1) $\begin{array}{r} 4 \\ 19 \\ \times 5 \\ \hline 95 \end{array}$	2) $\begin{array}{r} 2 \\ 23 \\ \times 6 \\ \hline 138 \end{array}$	3) $\begin{array}{r} 3 \\ 18 \\ \times 4 \\ \hline 72 \end{array}$	4) $\begin{array}{r} 3 \\ 17 \\ \times 5 \\ \hline 85 \end{array}$
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1<sup>st</sup> Step -  $5 \times 9 = 45$  (we will write only 5 and 4 will be carry over to)

2<sup>nd</sup> Step -  $5 \times 1 = 5$  (4 is already present so, now we will add it).

3<sup>rd</sup> Step -  $5 + 4 = 9$  (This we will write)



5 to 10 - H.W

$$\begin{array}{r}
 5 \\
 11.) \quad 87 \\
 \times 8 \\
 \hline
 696
 \end{array}$$

$$\begin{array}{r}
 6 \\
 (12.) \quad 98 \\
 \times 8 \\
 \hline
 784
 \end{array}$$

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1.) Done in Book.

2.) Raghu has to post 73 invitation cards. ---  
--- stamps are needed?

$$\begin{array}{r}
 73 \\
 146 \text{ Stamps.} \times 2 \\
 \hline
 146
 \end{array}$$

3.) There are 3 mango trees in a garden. Each tree has 53 --- in the garden?

$$\begin{array}{r}
 53 \\
 159 \text{ mangoes.} \times 3 \\
 \hline
 159
 \end{array}$$

4.) There are 7 days in a week. How many days will be there in 32 weeks?

$$\begin{array}{r}
 32 \\
 224 \text{ days.} \times 7 \\
 \hline
 2248 \text{ days}
 \end{array}$$

H.W × \_\_\_\_\_

Assess Progress - 1 (Pg - 62 & 63)

× \_\_\_\_\_