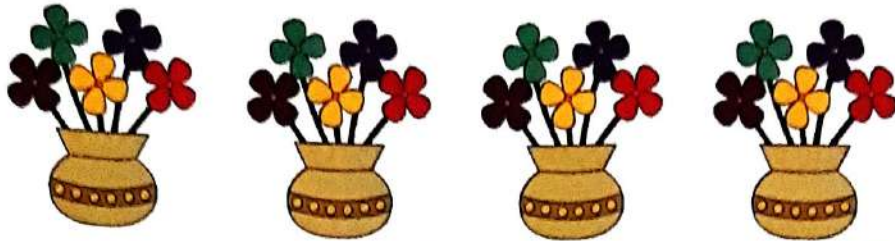


Exercise

1. There are 4 vases. Each vase has 5 flowers. How many flowers are there in all ?



$$5 + 5 + 5 + 5 = \boxed{20} \quad \text{OR} \quad 4 \times 5 = \boxed{20}$$

There are flowers in all.

2. There are 2 bunches of bananas. Each bunch has 10 bananas. How many bananas are there altogether ?



$$10 + 10 = \boxed{20} \quad \text{OR} \quad 2 \times 10 = \boxed{20}$$

There are bananas in all.

3. There are 2 fish tanks. Each fish tank has 6 fishes. How many fishes are there in all ?

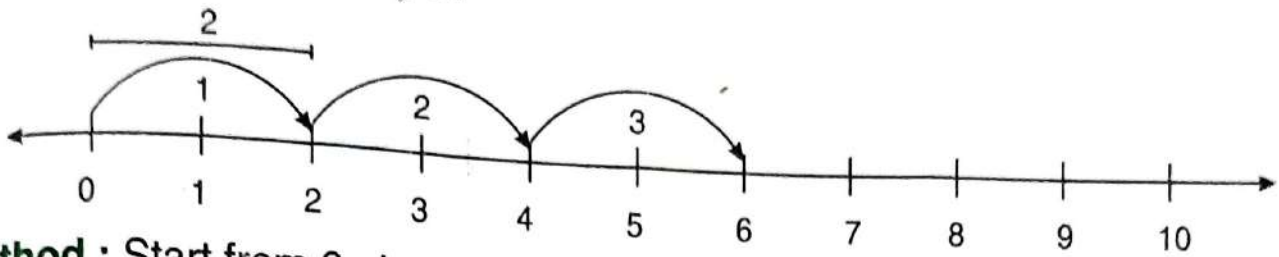


$$6 + 6 = \boxed{12} \quad \text{OR} \quad 2 \times 6 = \boxed{12}$$

There are fishes in all.

9.2 Multiplication on a Number Line

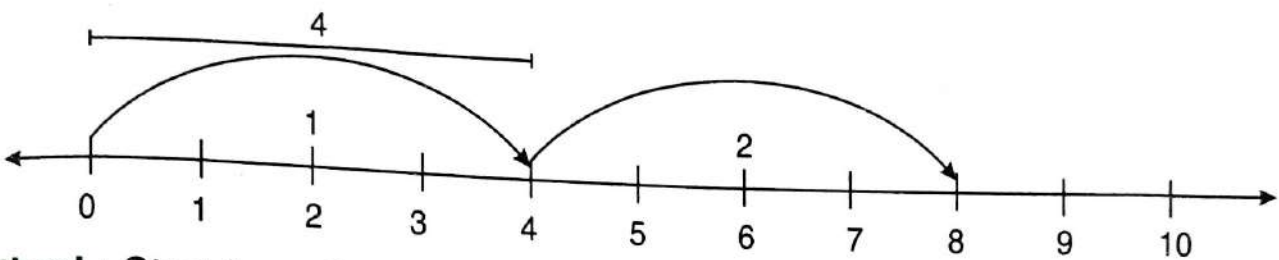
Example 1 : Multiply 2 by 3.



Method : Start from 0. Jump 2 places three times.

$$2 + 2 + 2 = 6 \quad \text{OR} \quad 3 \text{ times } 2 \text{ equals } 6 \quad \text{OR} \quad 3 \times 2 = 6$$

Example 2 : Multiply 4 by 2.



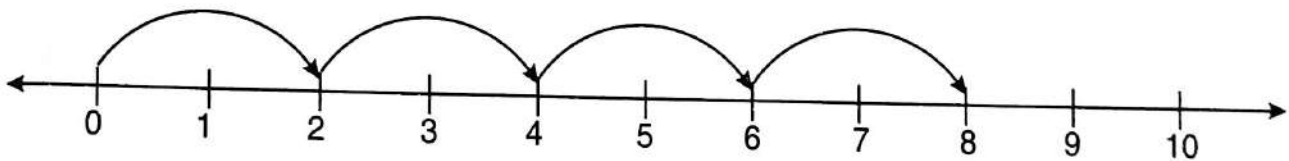
Method : Start from 0. Jump 4 places twice.

$$4 + 4 = 8 \quad \text{OR} \quad 2 \text{ times } 4 \text{ equals } 8 \quad \text{OR} \quad 2 \times 4 = 8$$

Exercise

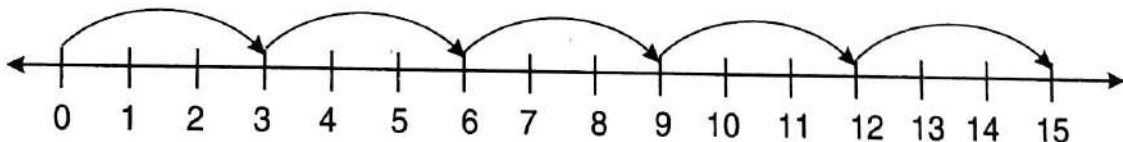
Write the multiplication fact for each. First one has been done for you.

1.



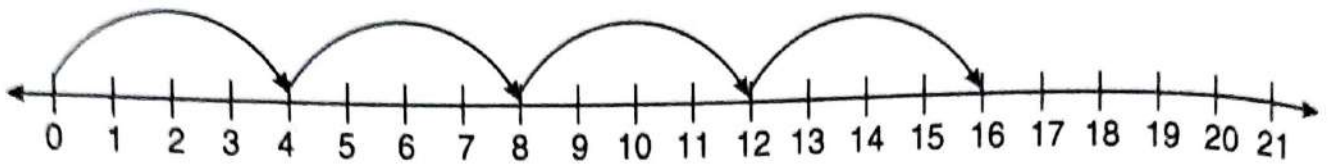
$$4 \times 2 = 8$$

2.



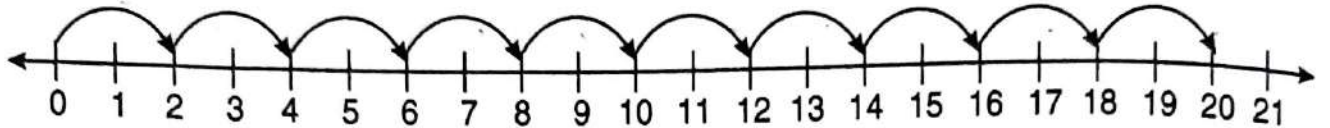
$$5 \times 3 = 15$$

3.



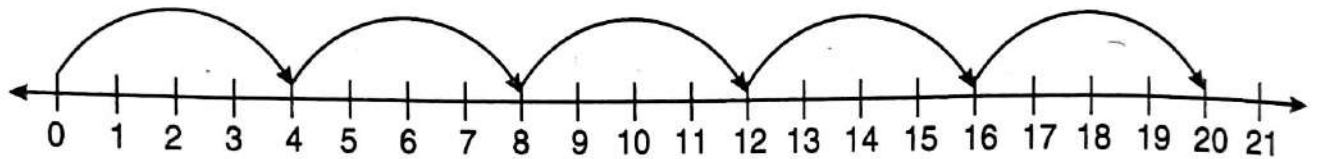
$$4 \times 4 = 16$$

4.



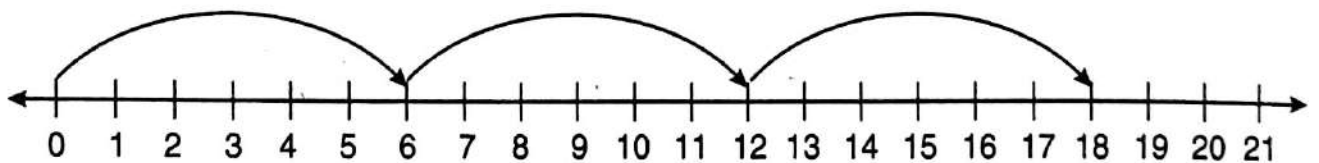
$$10 \times 2 = 20$$

5.



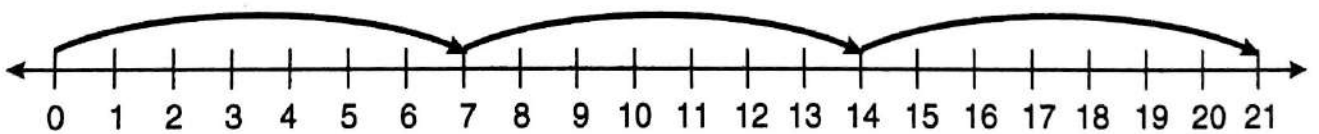
$$5 \times 4 = 20$$

6.



$$3 \times 6 = 18$$

7.



$$3 \times 7 = 21$$

Exercise

(a) Multiply and write in the boxes.

A boy has 2 eyes.

5 boys have 5×2 eyes = 10 eyes.



A table has 4 legs.

3 tables have 3×4 legs = 12 legs



A flower has 5 petals.

4 flowers have 4×5 petals = 20 petals.



A hand has 5 fingers.

2 hands have 2×5 fingers = 10 fingers.



A clock has 3 needles.

6 clocks have 6×3 needles = 18 needles.



(b) Fill in the blanks.

2 taken 4 times is

8

4 taken 2 times is

8

3 taken 6 times is

18

3 taken 3 times is

9

4 taken 5 times is

20

5 taken 4 times is

20

10 taken 4 times is

40

4 taken 6 times is

24

10 taken 5 times is

50

5 taken 6 times is

30

(c) Multiply the following.

$2 \times 4 = 8$

$3 \times 6 = 18$

$1 \times 9 = 9$

$2 \times 10 = 20$

$4 \times 1 = 4$

$5 \times 5 = 25$

$1 \times 8 = 8$

$10 \times 2 = 20$

$3 \times 7 = 21$

$5 \times 3 = 15$

$2 \times 6 = 12$

$5 \times 9 = 45$

$10 \times 4 = 40$

$2 \times 5 = 10$

$3 \times 8 = 24$

$3 \times 2 = 6$

$4 \times 10 = 40$

$5 \times 6 = 30$

$3 \times 4 = 12$

$10 \times 8 = 80$

$4 \times 2 = 8$

$5 \times 2 = 10$

$3 \times 9 = 27$

$4 \times 7 = 28$

$2 \times 3 = 6$

$3 \times 1 = 3$

$4 \times 8 = 32$

$2 \times 2 = 4$

$2 \times 8 = 16$

$4 \times 4 = 16$

$2 \times 9 = 18$

$10 \times 9 = 90$

$4 \times 5 = 20$

$3 \times 10 = 30$

$4 \times 9 = 36$

$5 \times 10 = 50$

$2 \times 1 = 2$

$10 \times 6 = 60$

$5 \times 1 = 5$

$5 \times 4 = 20$

$10 \times 8 = 80$

$5 \times 8 = 40$

$10 \times 5 = 50$

$3 \times 3 = 9$

$2 \times 7 = 14$