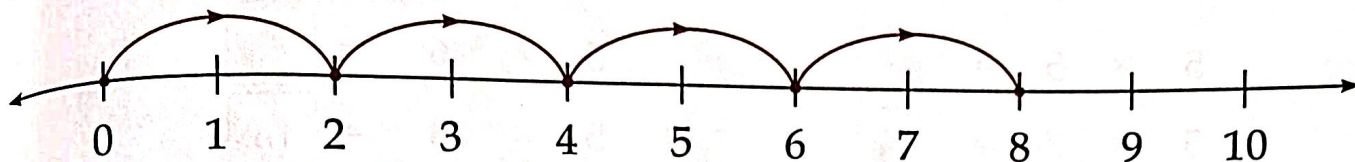


MULTIPLICATION TABLE BY SKIP COUNTING

Multiply 4 by 2

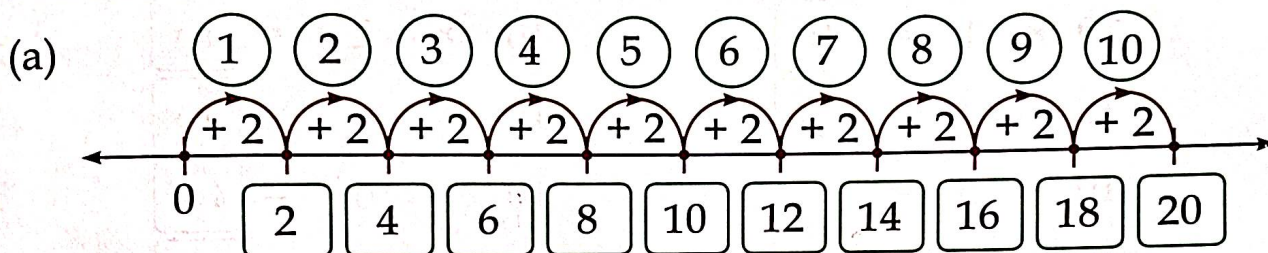


Using the method of skip counting, count by twos starting from 0. There are four jumps of two steps each.

$\therefore 4 \text{ jumps} = 4 \times 2 = 8$

Exercise 5.3

1. Fill in the boxes.



$$2 \times 1 = \boxed{2}$$

$$2 \times 2 = \boxed{4}$$

$$2 \times 3 = \boxed{6}$$

$$2 \times 4 = \boxed{8}$$

$$2 \times 5 = \boxed{10}$$

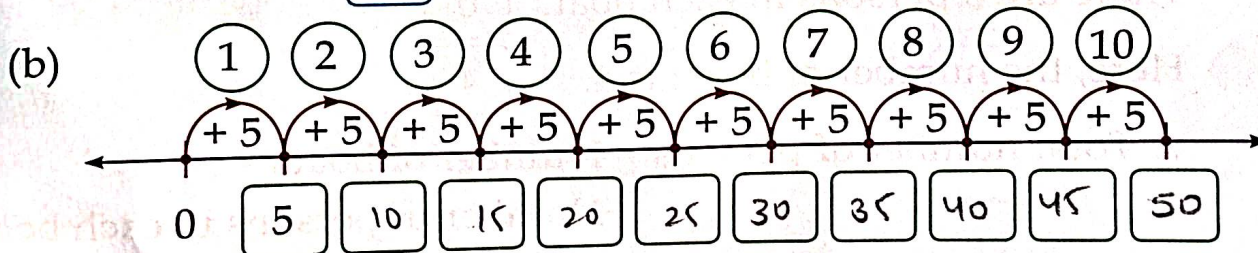
$$2 \times 6 = \boxed{12}$$

$$2 \times 7 = \boxed{14}$$

$$2 \times 8 = \boxed{16}$$

$$2 \times 9 = \boxed{18}$$

$$2 \times 10 = \boxed{20}$$



$$5 \times 1 = 5$$

$$5 \times 3 = 15$$

$$5 \times 5 = 25$$

$$5 \times 7 = 35$$

$$5 \times 9 = 45$$

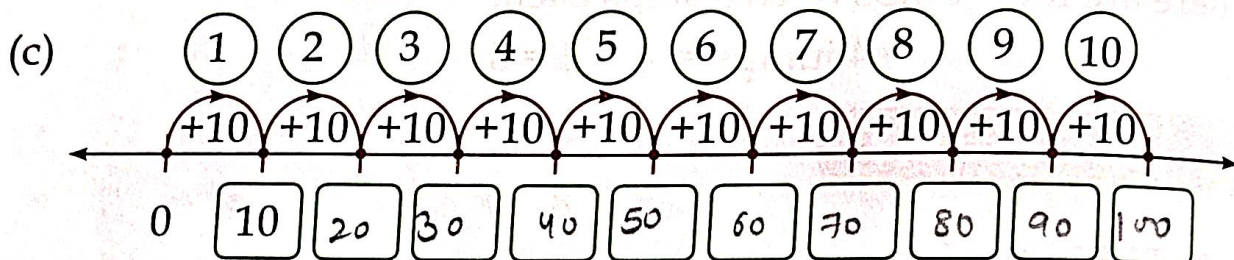
$$5 \times 2 = 10$$

$$5 \times 4 = 20$$

$$5 \times 6 = 30$$

$$5 \times 8 = 40$$

$$5 \times 10 = 50$$



$$10 \times 1 = 10$$

$$10 \times 3 = 30$$

$$10 \times 5 = 50$$

$$10 \times 7 = 70$$

$$10 \times 9 = 90$$

$$10 \times 2 = 20$$

$$10 \times 4 = 40$$

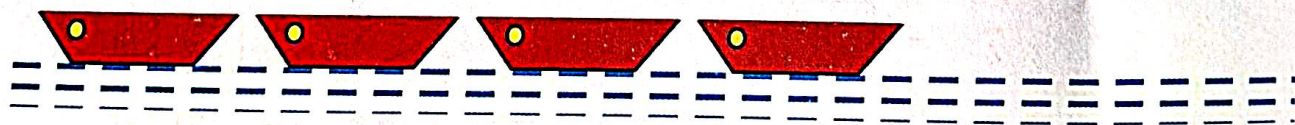
$$10 \times 6 = 60$$

$$10 \times 8 = 80$$

$$10 \times 10 = 100$$

PROPERTIES OF MULTIPLICATION

1. Multiplication by zero



There are 0 persons in each boat. 0

Here, the number of boats is 4. 4

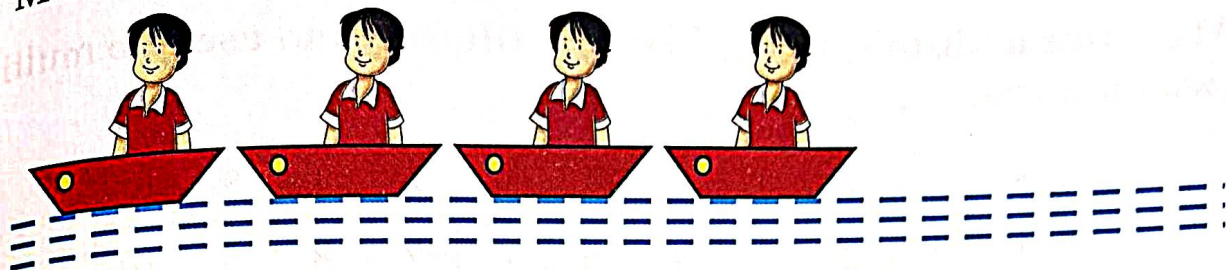
$\therefore$ Total number of persons = Number of boats $\times$

$$\begin{aligned} &\text{Number of persons in each boat} \\ &= 4 \times 0 = 0 \end{aligned}$$

There are 0 persons in all.

Hence, any number multiplied by 0 is zero.

2. Multiplication by 1.



There is one person in each boat. 1

Here, the number of boats is 4. 4

$\therefore$ Total number of persons = $4 \times 1 = 4$

There are 4 persons in all.

Hence, any number multiplied by 1 is the number itself.

3. The order of multiplication can be interchanged.

Since $2 \times 5 = 10$ or $5 \times 2 = 10$,

Therefore, $2 \times 5 = 5 \times 2 = 10$

Hence, 2×5 is the same as 5×2 .

Exercise 5.4

Find the product and fill in the boxes.

1. $8 \times 10 =$ 80

3. $10 \times 1 =$ 10

5. $5 \times 0 =$ 0

7. $3 \times 1 =$ 3

2. $6 \times 1 =$ 6

4. $6 \times 0 =$ 0

6. $1 \times 0 =$ 0

8. $1 \times 1 =$ 1

Thus, $5 \times 7 = 7 \times 5 = 35$

We observe that when the order of multiplication is changed, the answer remains unchanged.

Multiply the following numbers using the above grid.

(a) $3 \times 9 = 27$

(b) $5 \times 6 = 30$

(c) $6 \times 8 = 48$

(d) $7 \times 3 = 21$

(e) $3 \times 9 = 27$

(f) $9 \times 5 = 45$

(g) $2 \times 6 = 12$

(h) $10 \times 9 = 90$

(i) $9 \times 9 = 81$

(j) $5 \times 9 = 45$

(k) $4 \times 9 = 36$

(l) $9 \times 4 = 36$

(m) $3 \times 10 = 30$

(n) $10 \times 3 = 30$

Use the multiplication grid and find two numbers which when multiplied by each other give:

(a) $18 = 6 \times 3 = 3 \times 6$

(b) $24 = 3 \times 8 = 8 \times 3$

(c) $27 = 3 \times 9 = 9 \times 3$

(d) $36 = 4 \times 9 = 6 \times 6$

(e) $45 = 5 \times 9 = 9 \times 5$

(f) $60 = 6 \times 10 = 10 \times 6$

(g) $72 = 8 \times 9 = 9 \times 8$

(h) $90 = 9 \times 10 = 10 \times 9$