

**CBSE Class 3 Mathematics****NCERT Solutions****Chapter – 9****HOW MANY TIMES?**

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**PAGE 122****Leggy Animals****1. How many spiders?**

**Ans.** 3 spiders.

One spider has 8 legs.

In all, spider legs are 3 times  $8=24$ .

$$3 \times 8 = 24.$$

So, how many legs altogether do octopuos have?

$$5 \times 8 = 40.$$

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**PAGE 123****Find the number without counting****2. In the same way, how many bottles are these?**

**Ans.** 4 times  $5 = 20$  bottles.

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**3. How many eggs?**

**Ans.** 6 times  $5 = 30$  eggs.

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**PAGE 124****Practice time****4. Rewrite using the + sign.**

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**Ans. (a)**  $2 \times 5$  times 5 or  $5 + 5$

$4 \times 18$  times 18 or  $18 + 18 + 18 + 18$

$3 \times 20$  is 3 times 20 or  $20 + 20 + 20$

$8 \times 9$  is 8 times 9 or  $9 + 9 + 9 + 9 + 9 + 9 + 9 + 9$

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**5. Ramu bought 4 packets of biscuits. Each packet has 4 biscuits. How many biscuits did Ramu buy?**

**Ans.**  $4 \times 4 = 16$  biscuits.

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**6. There are 12 desks in a classroom. Each desk has 4 legs. What is the total number of legs of the desk?**

**Ans.**  $12 \times 4 = 48$  legs.

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**7. Sabiha brought home 3 bunches of flowers. Each bunch has 4 flowers. How many flowers were there?**

**Ans.**  $3 \times 4 = 12$  flowers.

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**8. One rail coach has 8 wheels. How many wheels in all in 6 coaches?**

**Ans.**  $6 \times 8 = 48$  wheels.

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**Jump with me**

**9. Tarru frogs jumps 3 steps each time. Which numbers will Tarru touch?**

**Ans.**  $1 \times 3 = 3$ ,  $2 \times 3 = 6$ ,  $3 \times 3 = 9$ ,

$4 \times 3 = 12$ ,  $5 \times 3 = 15$ ,  $6 \times 3 = 18$ ,

$7 \times 3 = 21$ ,  $8 \times 3 = 24$ ,  $9 \times 3 = 27$ ,

$10 \times 3 = 30$ ,  $11 \times 3 = 33$ ,  $12 \times 3 = 36$ ,

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$13 \times 3 = 39$ ,  $14 \times 3 = 42$ ,  $15 \times 3 = 45$ .

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**10. Show jumps with 4 steps.**

**Ans.**  $1 \times 4 = 4$ ,  $2 \times 4 = 8$ ,  $3 \times 4 = 12$ ,  
 $4 \times 4 = 16$ ,  $5 \times 4 = 20$ ,  $6 \times 4 = 24$ ,  
 $7 \times 4 = 28$ ,  $8 \times 4 = 32$ ,  $9 \times 4 = 36$ ,  
 $10 \times 4 = 40$ ,  $11 \times 4 = 44$ ,  $12 \times 4 = 48$ ,  
 $13 \times 4 = 52$ ,  $14 \times 4 = 56$ ,  $15 \times 4 = 60$ .

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**11. Try jumps with seven steps.**

**Ans.**  $1 \times 7 = 7$ ,  $2 \times 7 = 14$ ,  $3 \times 7 = 21$ ,  
 $4 \times 7 = 28$ ,  $5 \times 7 = 35$ ,  $6 \times 7 = 42$ ,  
 $7 \times 7 = 49$ ,  $8 \times 7 = 56$ ,  $9 \times 7 = 63$ ,  
 $10 \times 7 = 70$ ,  $11 \times 7 = 77$ ,  $12 \times 7 = 84$ ,  
 $13 \times 7 = 91$ ,  $14 \times 7 = 98$ ,  $15 \times 7 = 105$ .

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**Shopping with tables**

**12. How much do these things cost?**

**(a) 4 toffees cost \_\_\_\_\_**

**rupees. Ans.**  $4 \times 2 = 8$  rupees.

**(b) 3 pencil cost \_\_\_\_\_ rupees.**

**Ans.**  $3 \times 10 = 30$  rupees.

**(c) 10 pencil boxes cost \_\_\_\_\_ rupees.**

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**Ans.**  $10 \times 10 = 100$  rupees.

**(d) 9 balloons cost \_\_\_\_\_**

**rupees. Ans.**  $5 \times 9 = 45$  rupees.

**(e) 5 toys cost \_\_\_\_\_ rupees.**

**(f) 7 face masks cost \_\_\_\_\_**

**rupees. Ans.**  $7 \times 3 = 21$  rupees.

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### Practice Time

**13. Complete the following:**

**(a)  $2 \times 7 =$  \_\_\_\_**

**Ans.** 14.

**(b)  $3 \times 9 =$  \_\_\_\_**

**Ans.** 27.

**(c)  $4 \times 9 =$  \_\_\_\_**

**Ans.** 36.

**(d)  $5 \times 2 =$  \_\_\_\_**

**Ans.** 10.

**(e)  $5 \times 8 =$  \_\_\_\_**

**Ans.** 40.

**(f)  $3 \times 10 =$  \_\_\_\_**

**Ans.** 30.

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(g)  $10 \times 6 = \underline{\quad}$

Ans. 60.

(h)  $2 \times 8 =$

\_\_ Ans. 16.

(i)  $5 \times 9 = \underline{\quad}$

Ans. 45.

(j)  $10 \times 8 = \underline{\quad}$

Ans. 80.

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**14. Look at the pattern and complete them.**

(a) 3, 6, 9, \_\_\_\_\_

Ans. 3, 6, 9, 12, 15, 18.

(b) 2, 4, 6, \_\_\_\_\_

Ans. 2, 4, 6, 8, 10, 12.

(c) 10, 20, 30, \_\_\_\_\_

Ans. 10, 20, 30, 40, 50, 60.

(d) 4, 8, 12, \_\_\_\_\_

(e) 5, 10, 15, \_\_\_\_\_

Ans. 5, 10, 15, 20, 25, 30.

(f) 30, 60, 90, \_\_\_\_\_

Ans. 30, 60, 90, 120, 150, 180.

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**How many in all.**

**15. A shirt has 5 buttons. How many buttons would 3 shirts have?**

**Ans.**  $5 \times 3 = 15$  buttons.

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**16. There are four fans. Each fan has 3 blades. What is the total number of blades in all? Ans.**

$4 \times 3 = 12$  blades.

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**17. A box contain 6 apples. How many apples in all with seven boxes have?**

**Ans.**  $6 \times 7 = 42$  apples.

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**18. How many corners would 4 triangles have?**

**Ans.**  $4 \times 3 = 12$  corners.

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**19. Some multiplication facts:**

**(a)**  $8 \times 3 = \underline{\quad}$

**Ans.** 24.

**(b)**  $5 \times \underline{\quad} =$

**35 Ans.** 7.

**(c)**  $3 \times \underline{\quad} = \underline{\quad}$

**Ans.**  $3 \times 4 = 12$ .

**(d)**  $\underline{\quad} \times 6 =$

**36 Ans.** 6.

**(e)**  $10 \times \underline{\quad} = \underline{\quad}$

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**Ans.**  $10 \times 5 = 50$ .

**(f)**  $5 \times \underline{\quad} =$

**40. Ans.** 8.

**(g)**  $\underline{\quad} \times 9 =$

**36. Ans.** 4.

**(h)**  $\underline{\quad} \times \underline{\quad} = 54$ .

**Ans.**  $9 \times 6 = 54$ .

**(i)**  $\underline{\quad} \times 7 =$

**28. Ans.** 4.

**20. A flower has five petals. A bunch of flowers has 13 flowers. How many petals are there in the bunch?**

**Ans.**  $13 \times 5$  means 13 times 5.

10 times 5 is 50.

So, the answer is more than 50.

20 times 5 is 100.

So, the answer is less than 100.

	10	3
5	$10 \times 5$	$3 \times 5$
	50	15

Adding 50 and 15

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5	0
+1	5
6	5

So,  $13 \times 5 = 65$ .

Thus, there are 65 petals in a bunch.

**21. A book has 64 pages. What will be the total number of pages in 8 such books?**

**Ans.**  $64 \times 8$  means 64 is 8

60 times 8 is 480.

So, the answer is more than 480

70 times 8 is 560

	60	4
8	$60 \times 8$	$4 \times 8$
	480	32

Adding 480 and 32

4	8	0
+	3	2
5	1	2



So,  $64 \times 8 = 512$

Thus, there are 512 pages in 8 books.

**22. Students stand in rows in the assembly. There are six rows of students. How many students are there?**

**Ans.**  $17 \times 6$  means 17 times 6

10 times 6 means 60

So, the answer is more than 60

20 times 6 means 120

So, the answer is less than 120

	10	7
6	$10 \times 6$	$7 \times 6$
	60	42

Adding 60 and 42

6	0
+42	
10	2

So,  $17 \times 6 = 102$

Thus, there are 102 students.



23. A design has 3 flowers in it. A piece of cloth has 17 such designs. How many flowers will be on the cloth?

**Ans.**  $20 \times 3 = 60$

20 times 3 is 60.

So, the answer is less than 60.

	10	7
3	$10 \times 3$	$7 \times 3$
	30	21

Adding 30 and 21

3	0
+2	1
5	1

So,  $17 \times 3 = 51$

Thus, there are 51 flowers on the cloth.

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**Practice time**

24. First guess the answer and then check it by calculating:

(a)  $42 \times 23 = \underline{\quad}$

**Ans.** So, the answer is more than 840.

	40	2
20	$40 \times 20 = 800$	$2 \times 20 = 40$
3	$40 \times 3 = 120$	$2 \times 3 = 6$

Add the numbers

8	0	0
1	2	0
	4	0
	+	6
9	6	6

So,  $42 \times 23 = 966$ .

**(b)  $51 \times 13$**

**Ans.** So, the answer is more than 510.

	50	1
10	$50 \times 10 = 500$	$1 \times 10 = 10$

3	$50 \times 3 = 150$	$1 \times 3 = 3$

Add the numbers

5	0	0
1	5	0
	1	0
	+	3
6	6	3

So,  $51 \times 13 = 663$ .

(c)  $25 \times 36 = \underline{\quad}$

Ans. So, the answer is more than 730.

	20	5
30	$20 \times 30 = 600$	$5 \times 30 = 150$
6	$20 \times 6 = 120$	$5 \times 6 = 30$

Add the numbers

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6	0	0
1	2	0
1	5	0
+	3	0
9	0	0

So,  $25 \times 36 = 900$ .

**(d)  $73 \times 11 = \underline{\quad}$**

**Ans.** So, the answer is more than 730.

	70	3
10	$70 \times 10 = 700$	$3 \times 10 = 30$
1	$70 \times 1 = 70$	$3 \times 1 = 3$

Add the numbers

7	0	0
	7	0

	3	0
	+	3
8	0	3

So,  $73 \times 11 = 803$ .

(e)  $54 \times 12 = \underline{\quad}$

**Ans.** So, the answer is more than 540.

	50	4
10	$50 \times 10 = 500$	$4 \times 10 = 40$
2	$50 \times 2 = 100$	$4 \times 2 = 8$

Add the numbers

5	0	0
1	0	0
	4	0
	+8	



6	4	8
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So,  $54 \times 12 = 648$ .

(f)  $12 \times 14 = \underline{\hspace{2cm}}$

**Ans.** So, the answer is more than 120.

	10	2
10	$10 \times 10 = 100$	$2 \times 10 = 20$
4	$10 \times 4 = 40$	$2 \times 4 = 8$

Add the numbers

1	0	0
	4	0
	2	0
	+	8
168	So,	$12 \times$

$14 = 168$ .