

MULTIPLYING BY 0

There are 3 vases in Sakshi's house.

How many flowers are in the vases?

There are 0 flowers.

$$0 + 0 + 0 = \underline{0} \text{ flowers}$$

3 groups of 0 flowers each

$$3 \times 0 = 0$$



✓ When you multiply any number by 0, the answer is always 0.

ENRICHMENT ACTIVITY

Do in book

CHECKPOINT! Multiply.

$5 \times 0 = 0$		$6 \times 0 = 0$		$96 \times 0 = 0$
$8 \times 0 = 0$		$4 \times 0 = 0$		$100 \times 0 = 0$
$3 \times 0 = 0$		$7 \times 0 = 0$		$60 \times 0 = 0$

MULTIPLYING BY 1

Now Sakshi has put 1 flower in each vase.

$$1 + 1 + 1 = \underline{3} \text{ flowers repeated addition fact}$$

3 groups of 1 flower each

$$\underline{3} \times 1 = \underline{3} \text{ multiplication fact}$$



When a number is multiplied by 1, the answer is the number itself.

ENRICHMENT ACTIVITY

Do in book.

CHECKPOINT! Multiply.

$4 \times 1 = 4$		$12 \times 1 = 12$		$21 \times 1 = 21$
$3 \times 1 = 3$		$7 \times 1 = 7$		$82 \times 1 = 82$
$15 \times 1 = 15$		$6 \times 1 = 6$		$100 \times 1 = 100$

A multiplication question can be written in two ways.

Do in book.

$$3 \times 2 = 6$$

$$7 \times 5 = 35$$

$$4 \times 10 = 40$$

T	O
	3
	2
<hr/>	
	6

T	O
	7
	5
<hr/>	
3	5

T	O
	4
1	0
<hr/>	
4	0



HOTS questions



Aman has 10 coins of ₹ 2 each and Alisha has 4 coins of ₹ 5 each. Can they together buy a ball that costs ₹ 40?



$$₹ 5 \times 4 = ₹ 20$$

$$₹ 2 \times 10 = ₹ 20$$

$$₹ 20$$

+

$$₹ 20 = ₹ 40$$

EXERCISE 4.5

(Do in book and copy)



Colour it if you get all your sums right.

A. Use the multiplication tables to fill in the blanks.

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

$$3 \times 5 = \underline{15}$$

$$6 \times 10 = \underline{60}$$

$$4 \times 0 = \underline{0}$$

$$\underline{5} \times 1 = \underline{5}$$

$$9 \times 5 = \underline{45}$$

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

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

$$10 \times 10 = \underline{100}$$

$$9 \times \underline{1} = \underline{9}$$

$$0 \times 7 = \underline{0}$$

$$7 \times 5 = \underline{35}$$

B. Multiply.

Do in book and copy.

T	O
	3
	2
<hr/>	
	6

T	O
	6
	5
<hr/>	
3	0

T	O
	9
	2
<hr/>	
1	8

T	O
	7
	2
<hr/>	
1	4

$$\begin{array}{r} \times \begin{array}{|c|c|} \hline \text{T} & \text{O} \\ \hline & 7 \\ \hline 1 & 0 \\ \hline \hline 7 & 0 \\ \hline \end{array} \quad \left| \quad \begin{array}{r} \times \begin{array}{|c|c|} \hline \text{T} & \text{O} \\ \hline 1 & 3 \\ \hline & 1 \\ \hline \hline 1 & 3 \\ \hline \end{array} \quad \left| \quad \begin{array}{r} \times \begin{array}{|c|c|} \hline \text{T} & \text{O} \\ \hline & 8 \\ \hline & 5 \\ \hline \hline 4 & 0 \\ \hline \end{array} \quad \left| \quad \begin{array}{r} \times \begin{array}{|c|c|} \hline \text{T} & \text{O} \\ \hline & 3 \\ \hline & 5 \\ \hline \hline 1 & 5 \\ \hline \end{array} \end{array}$$

C. Colour the flower green if the answer is correct. Colour the flower

red if the answer is not correct. *DO IN BOOK.*

Send me

$$\begin{array}{r} \times \begin{array}{|c|c|} \hline \text{T} & \text{O} \\ \hline 1 & 0 \\ \hline & 2 \\ \hline \hline 1 & 2 \\ \hline \end{array} \quad \begin{array}{c} \text{Flower} \end{array}$$

$$\begin{array}{r} \times \begin{array}{|c|c|} \hline \text{T} & \text{O} \\ \hline & 7 \\ \hline & 2 \\ \hline \hline 1 & 4 \\ \hline \end{array} \quad \begin{array}{c} \text{Flower} \end{array}$$

$$\begin{array}{r} \times \begin{array}{|c|c|} \hline \text{T} & \text{O} \\ \hline & 6 \\ \hline & 2 \\ \hline \hline 2 & 2 \\ \hline \end{array} \quad \begin{array}{c} \text{Flower} \end{array}$$

$$\begin{array}{r} \times \begin{array}{|c|c|} \hline \text{T} & \text{O} \\ \hline 1 & 3 \\ \hline & 2 \\ \hline \hline 1 & 6 \\ \hline \end{array} \quad \begin{array}{c} \text{Flower} \end{array}$$

$$\begin{array}{r} \times \begin{array}{|c|c|} \hline \text{T} & \text{O} \\ \hline 1 & 1 \\ \hline & 2 \\ \hline \hline 2 & 2 \\ \hline \end{array} \quad \begin{array}{c} \text{Flower} \end{array}$$

$$\begin{array}{r} \times \begin{array}{|c|c|} \hline \text{T} & \text{O} \\ \hline & 6 \\ \hline & 5 \\ \hline \hline 1 & 0 \\ \hline \end{array} \quad \begin{array}{c} \text{Flower} \end{array}$$

$$\begin{array}{r} \times \begin{array}{|c|c|} \hline \text{T} & \text{O} \\ \hline & 5 \\ \hline & 5 \\ \hline \hline 2 & 5 \\ \hline \end{array} \quad \begin{array}{c} \text{Flower} \end{array}$$

$$\begin{array}{r} \times \begin{array}{|c|c|} \hline \text{T} & \text{O} \\ \hline 1 & 5 \\ \hline & 1 \\ \hline \hline 1 & 2 \\ \hline \end{array} \quad \begin{array}{c} \text{Flower} \end{array}$$

$$\begin{array}{r} \times \begin{array}{|c|c|} \hline \text{T} & \text{O} \\ \hline 1 & 0 \\ \hline & 6 \\ \hline \hline 6 & 0 \\ \hline \end{array} \quad \begin{array}{c} \text{Flower} \end{array}$$