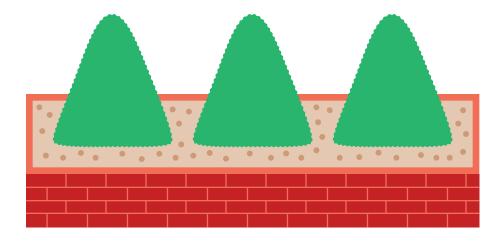
Lesson 1The Multiplication Table of 3



Think

There are 3 trees in each planter.



How many trees are there in planters?

How many trees are there in 2 planters?

Find the number of trees if there are ...

3 , 4 , 5 , 6 , 7 , 8 , 9 , and 10 planters.

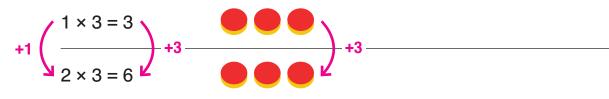


How does the total number of trees change when the number of planters increases by 1?

Learn

 $6 \times 3 = 18$

 $8 \times 3 = 24$



$$3 \times 3 = 9$$
 3×3 is more than 2×3 .

$$4 \times 3 = 12$$
 4×3 is less than 5×3 .

$$7 \times 3 = 21$$
 7×3 is 3 more than $\times 3$.

$$9 \times 3 = 27$$
 9×3 is 3 less than $\times 3$.

$$10 \times 3 = 30$$

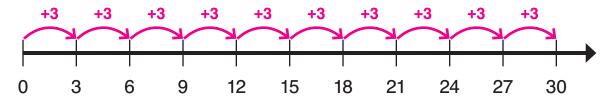
Look at the products.

If you add the digit in the ones place to the digit in the tens place, what do you notice about the sums?



<u>Do</u>

1 Count by 3s to 30.



2 (a)

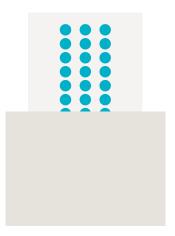


2 × 3 =



4 × 3 =

3 Use array dot cards to find the totals.



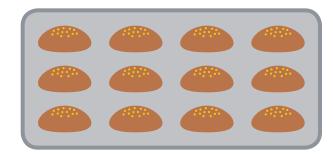
4 How much do 9 bags of balloons cost?

9 bags cost \$.



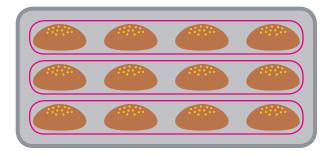


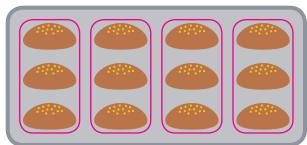
Think



How can we use multiplication to find the total number of rolls?

Learn







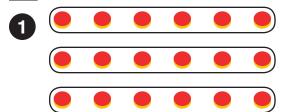
$$3 \times 4 = 4 \times 3$$

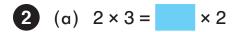
We can use rows or columns.



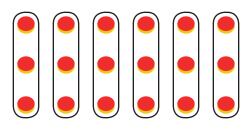
There are rolls altogether.







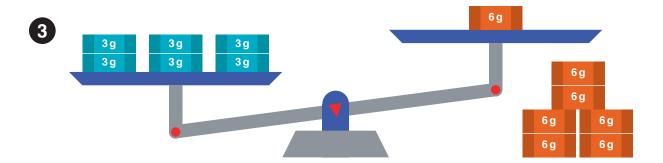
(c)
$$9 \times 3 = 3 \times$$



$$3 + 3 + 3 + 3 + 3 + 3 =$$

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

(d)
$$\times 3 = 3 \times 5$$



How many more of the 6-gram weights do we need to make the scale balance?

4 Sophia's jacket has 3 rows of 3 pins. How many pins are on the jacket?

There are pins.



5 What is the value of each?

Make flash cards and practice the multiplication facts of 3.

3 × 8

24





Which facts did you already learn from the multiplication facts of 2, 5, and 10?



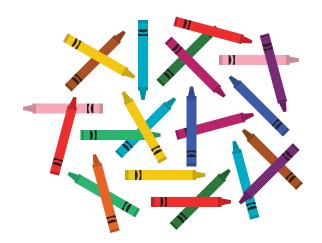
10 × 3

3 × 10

Think

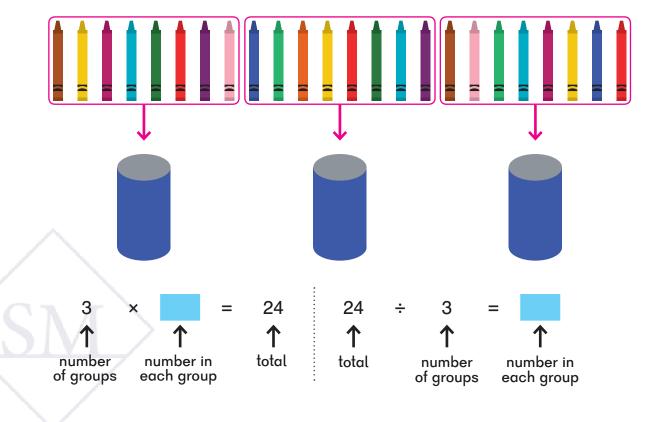
There are 24 crayons.

- (a) Put them equally into 3 cups. How many are in each cup?
- (b) Put 3 crayons in each cup. How many cups are needed?



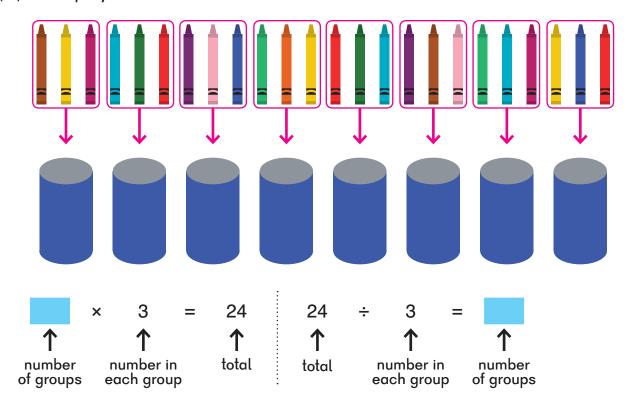
Learn

(a) Make 3 equal groups.



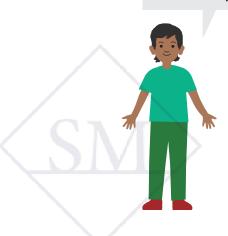
There are crayons in each cup.

(b) Group by 3.



cups are needed.

To divide by 3, we can use the multiplication facts of 3.



<u>Do</u>

1 (a) Divide 18 counters into 3 equal groups.

There are counters in each group.

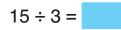
(b) Divide 18 counters into groups of 3.

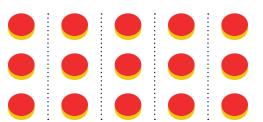
There are groups.



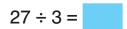


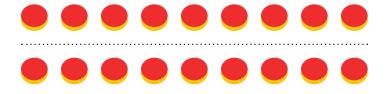
2 (a) × 3 = 15













- **3** Find the value.
 - (a) $21 \div 3$
- (b) 12 ÷ 3
- (c) $6 \div 3$

- (d) $30 \div 3$
- (e) $9 \div 3$

(f) $24 \div 3$

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