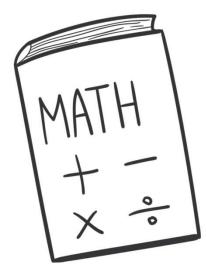
UNDERSTANDING MULTIPLICATION AND DIVISION SOLVE IT LESSON 4

The Simplified Math Curriculum™

TODAY'S OBJECTIVE

Today we will solve a variety of multiplication word problems by drawing equal groups and creating arrays.

TAKE OUT YOUR



The Simplified Math Curriculum™



The Simplified Math Curriculum™



Today we are going to solve word problems using 4 steps.



Think about the word problem.



Create an equation based on the problem.



Solve the equation.

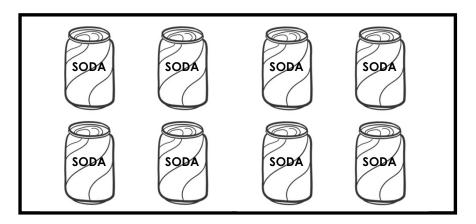


Answer the word problem.

The Simplified Math Curriculum™



Sarah purchased five packs of soda. The picture below shows one pack. How many cans of soda did Sarah buy in all? Draw a picture to show your work. Write a matching equation.

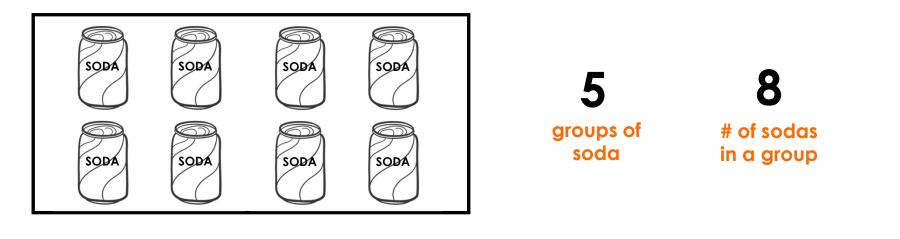


What do the numbers represent?

What is this problem asking me to find?



Sarah purchased five packs of soda. The picture below shows one pack. How many cans of soda did Sarah buy in all? Draw a picture to show your work. Write a matching equation.

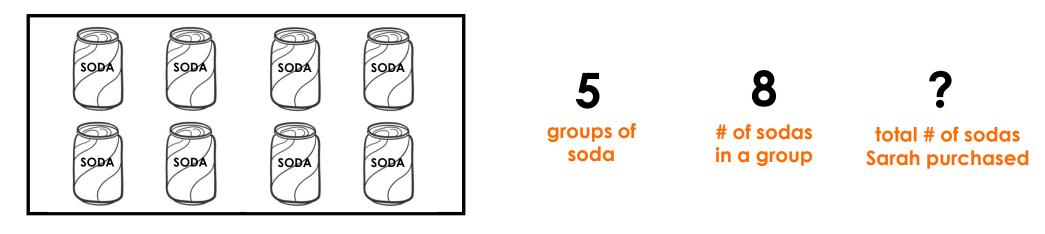


First, I need to figure out what the numbers represent.

The Simplified Math Curriculum™



Sarah purchased five packs of soda. The picture below shows one pack. How many cans of soda did Sarah buy in all? Draw a picture to show your work. Write a matching equation.

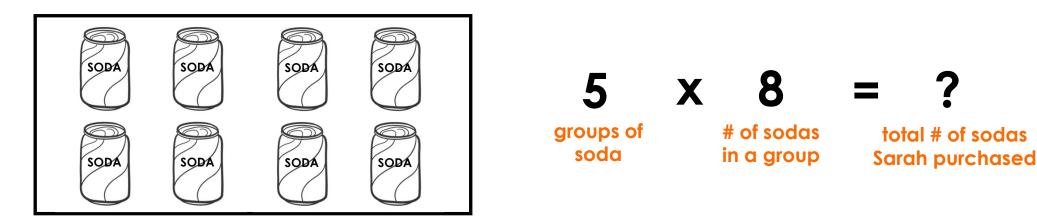






2nd: Create an equation

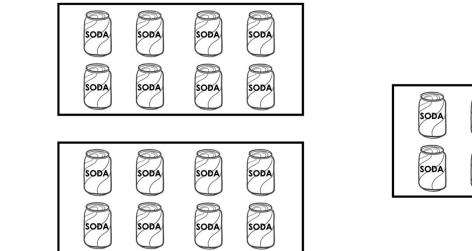
Sarah purchased five packs of soda. The picture below shows one pack. How many cans of soda did Sarah buy in all? Draw a picture to show your work. Write a matching equation.

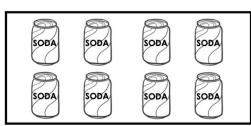


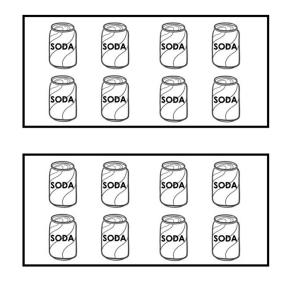




3rd: Solve the equation: 5 x 8







There are 5 groups of 8 sodas, which is a total of 40 sodas.

 $5 \times 8 = 40$ or 8 + 8 + 8 + 8 + 8 = 40





4th: Answer the Word Problem

Sarah purchased five packs of soda. The picture below shows one pack. How many cans of soda did Sarah buy in all? Draw a picture to show your work. Write a matching equation.



Sarah purchased 40 cans of soda.

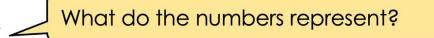




The Simplified Math Curriculum™



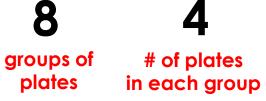
Hector is packing moving boxes. 4 plates fit into one box. If he packed 8 boxes, how many plates did he pack? Draw an array to show your work.



What is this problem asking me to find?



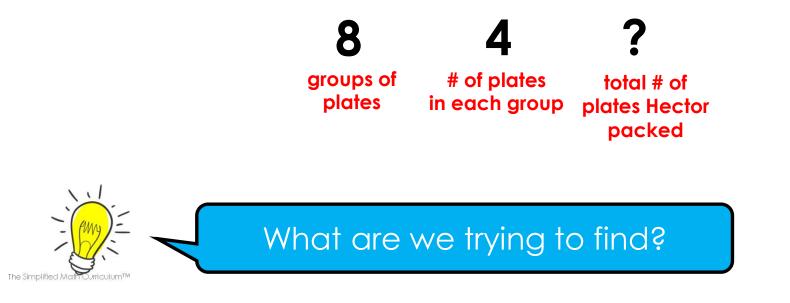
Hector is packing moving boxes. <mark>4</mark> plates fit into one box. If he packed <mark>8</mark> boxes, how many plates did he pack? Draw an array to show your work.





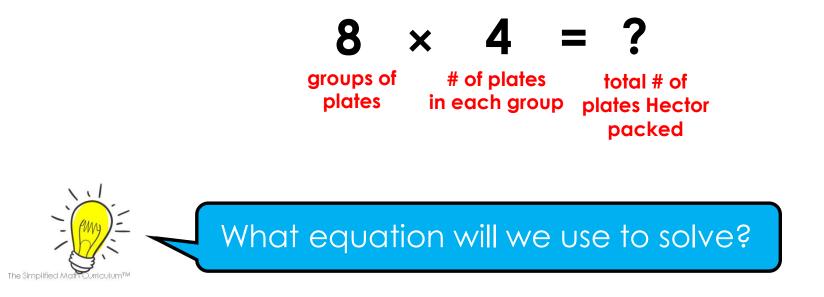


Hector is packing moving boxes. 4 plates fit into one box. If he packed 8 boxes, how many plates did he pack? Draw an array to show your work.





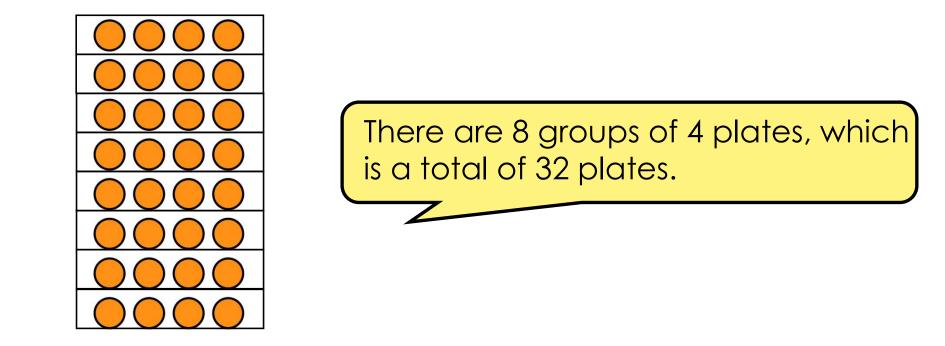
Hector is packing moving boxes. 4 plates fit into one box. If he packed 8 boxes, how many plates did he pack? Draw an array to show your work.





11

3^{rd} : Solve the equation: 8×4



 $8 \times 4 = 32 \text{ or } 4 + 4 + 4 + 4 + 4 + 4 + 4 = 32$

Let's make an array to solve this one.



Hector is packing moving boxes. 4 plates fit into one box. If he packed 8 boxes, how many plates did he pack? Draw an array to show your work.



Hector packed 32 plates.



CHECK - IN

What did you notice? Can you make a connection to anything else you already know? How? Do you have any questions?

IT'S YOUR TURN

The Simplified Math Curriculum™



Now It's "YOUR TURN" to Solve



Don't forget to explain your thinking!

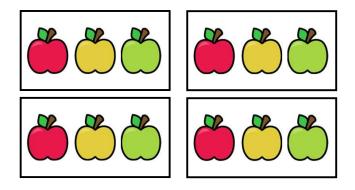
The Simplified Math Curriculum™



Brandi went apple picking at Sunrise Farm. She had 4 bags with 3 apples in each bag. How many apples did she pick? Draw a picture and write an equation to show your work.



Brandi went apple picking at Sunrise Farm. She had 4 bags with 3 apples in each bag. How many apples did she pick? Draw a picture and write an equation to show your work.





of groups # of apples total # of in a group apples

Brandi picked 12 apples.

© One Stop Teacher Shop © Mr. Elementary Math

The Simplified Math Curriculum™

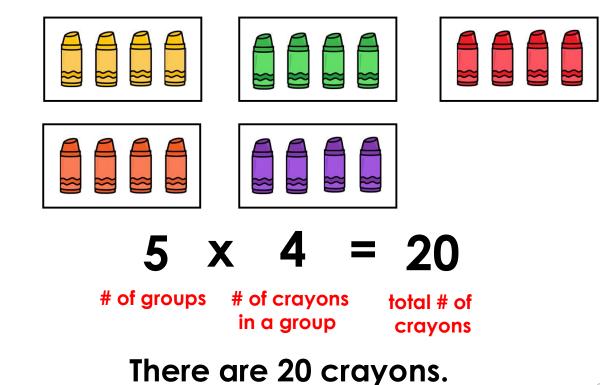


Kina sorted crayons into boxes. There are 5 boxes with 4 crayons in each box. How many crayons are there? Draw a picture and write an equation to show your work.



Kina sorted crayons into boxes. There are 5 boxes with 4 crayons in each box. How many crayons are there?

Draw a picture and write an equation to show your work.

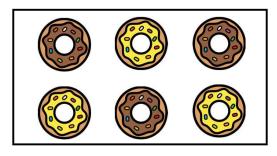


© One Stop Teacher Shop © Mr. Elementary Math

The Simplified Math Curriculum™



Mrs. Coleman ordered 8 packs of mini-donuts for her class. How many donuts did she buy in total? Draw a picture and write an equation to show your work.



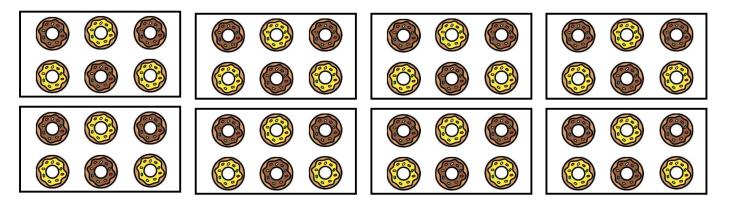
= 1 pack of mini - donuts

The Simplified Math Curriculum™



Mrs. Coleman ordered 8 packs of mini-donuts for her class. How many donuts did she buy in total?

Draw a picture and write an equation to show your work.



= 48 8 X 6

of groups # of donuts in a group

total # of

donuts

Mrs. Coleman bought 48 donuts.

© One Stop Teacher Shop © Mr. Elementary Math

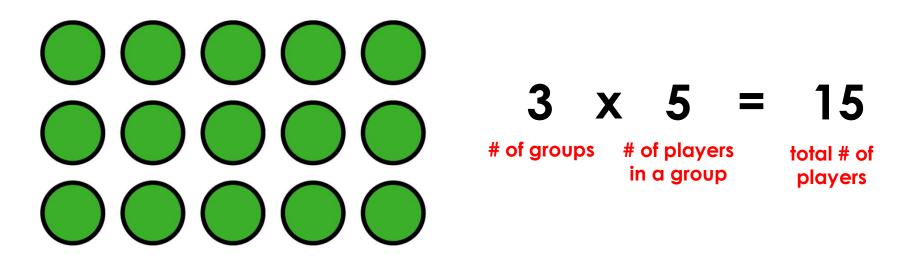
The Simplified Math Curriculum™



For the math competition, Ms. Jones split her class into 3 teams with 5 players on each team. How many players are there in all? Draw an array to show your work.



For the math competition, Ms. Jones split her class into 3 teams with 5 players on each team. How many players are there in all? Draw an array to show your work.



There are 15 players in all.

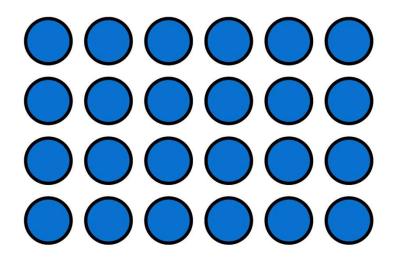
The Simplified Math Curriculum™



Ben has four bookbags. There are six pencils in each bookbag. How many pencils does Ben have altogether? Draw an array to show your work.



Ben has four bookbags. There are six pencils in each bookbag. How many pencils does Ben have altogether? Draw an array to show your work.



x 6 =24

of groups # of j in a

of pencils total # of pencils in a group

Ben has 24 pencils.

© One Stop Teacher Shop © Mr. Elementary Math

The Simplified Math Curriculum™

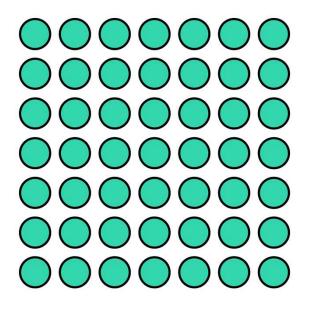


In a garden, there are seven rows with 7 roses in each row. How many roses are in the garden? Draw an array to show your work.



In a garden, there are seven rows with 7 roses in each row. How many roses are in the garden?

Draw an array to show your work.



of groups # of roses

X 7 =

in a group

total # of roses

49

The garden has 49 roses.

The Simplified Math Curriculum™



The Simplified Math Curriculum™