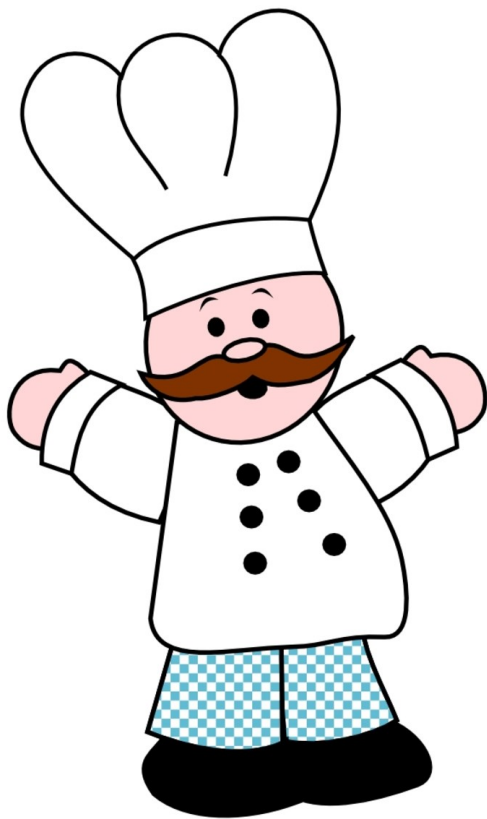


# Welcome to Munchable Math!

I'm Chef Digit, and I LOVE numbers! There are so many things you can do with numbers! You can put them together in all different combinations, just like the ingredients in a recipe. If you add a little of one and a lot of another, you get something brand new. We're going to learn what happens when we add the numbers 1-12. This week, we'll add the number 4 to the number 1, the number 2, and so on all the way up until we add 4 to the number 12. Don't worry—it's not as hard as it sounds. As a matter of fact, it's really fun! I'll show you all my number recipes. I just know you're going to love them!

When we're done adding the numbers, we're going to practice subtracting them. Have you ever gotten too much food on your plate and had to put some back? That's like subtracting. We're going to take 4 away from the numbers 5 through 16. It's just like addition only backward!

Before we're done, we'll look at some math stories and see how we can use math recipes every day. Are you ready? Let's practice number facts with some soup that is great to warm you up in the cold weather.

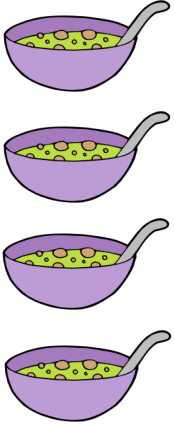


# Addition

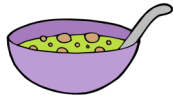


Let's start with addition. If you have four bowls of soup that are hot and ready to eat and a friend comes over, you need one more bowl of soup. How many bowls of soup will you need all together? If you have four bowls of soup that are hot and ready to eat and two friends stop by, how many bowls of soup will you need all together? Trace the numbers below, including the answer. Then try to solve the next one for yourself. You can do it!

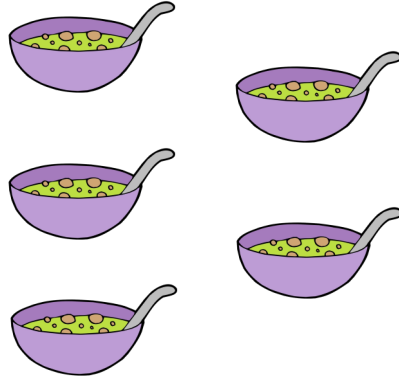
$$4 + 1 = 5$$



+

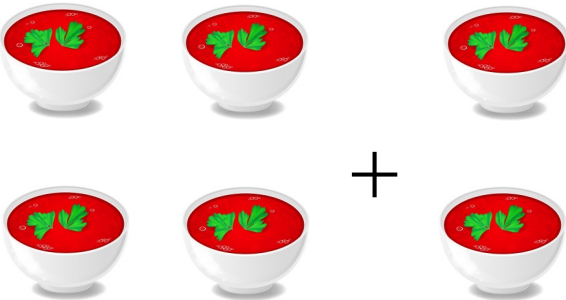


=



$$4 + \quad = \quad$$

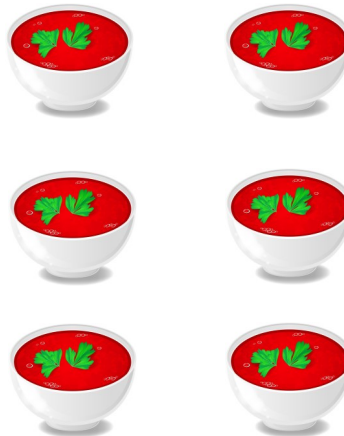
$$4 + 2 = 6$$



+



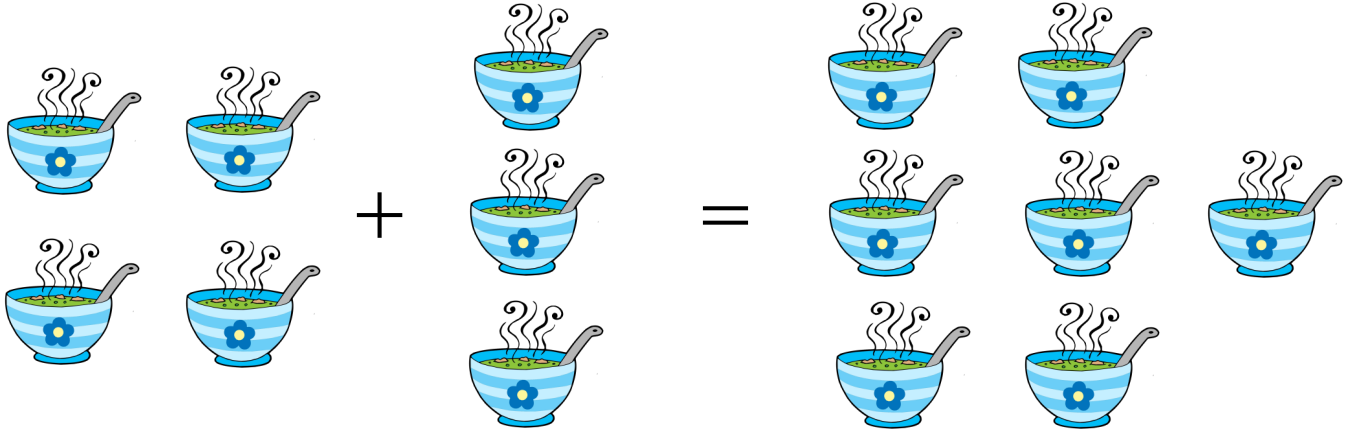
=



$$4 + 2 = \quad$$

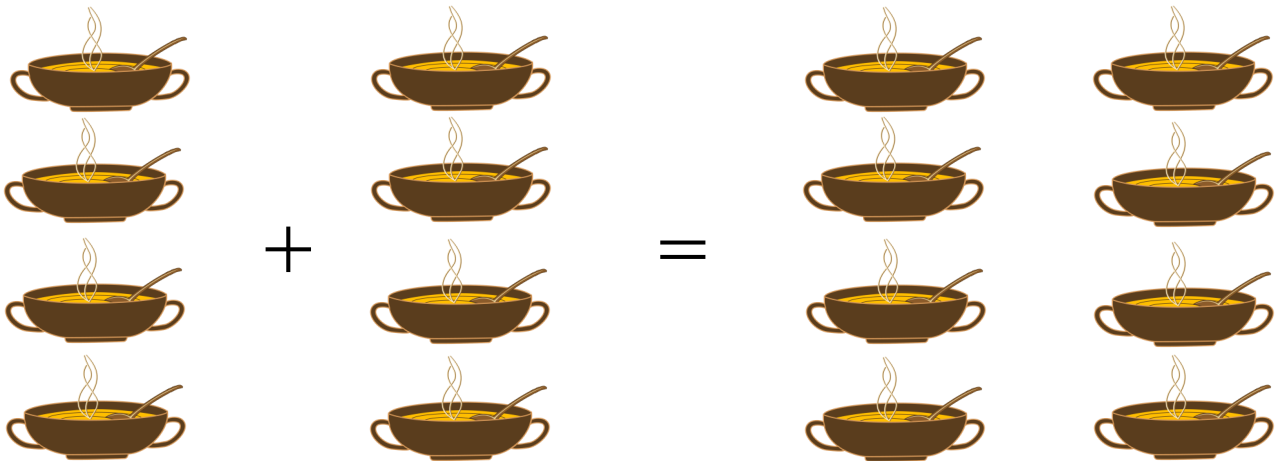


$$4 + 3 = 7$$

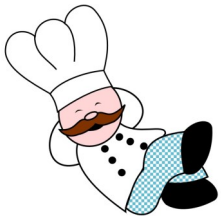


$$4 + 3 =$$

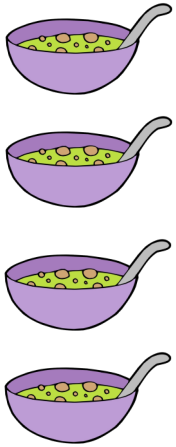
$$4 + 4 = 8$$



$$4 + 4 =$$



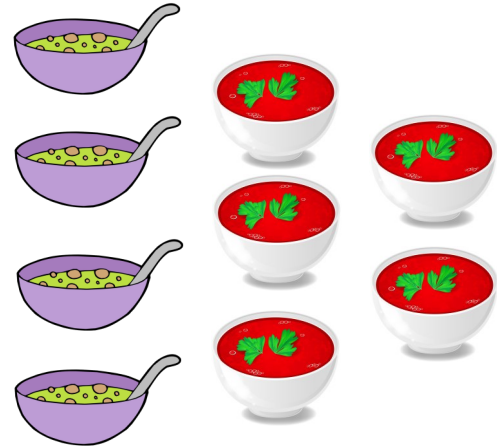
$$4 + 5 = 9$$



+



=

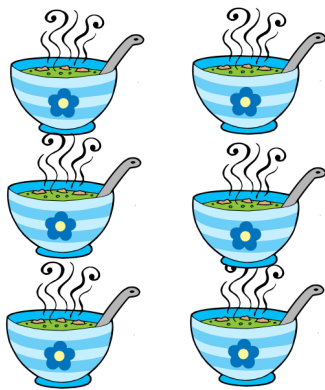


$$4 + 5 =$$

$$4 + 6 = 10$$



+



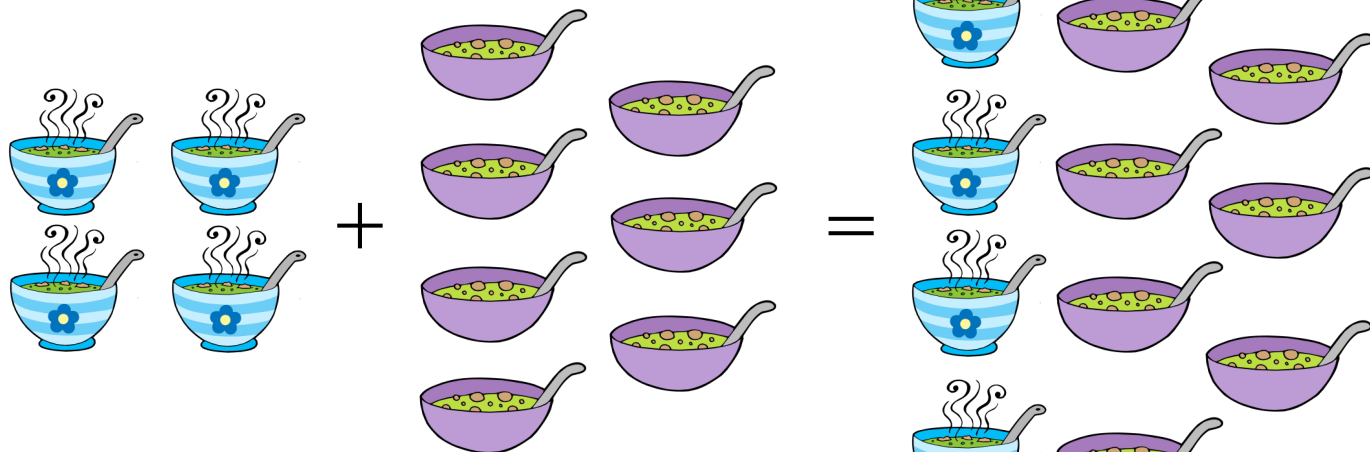
=



$$4 + 6 =$$

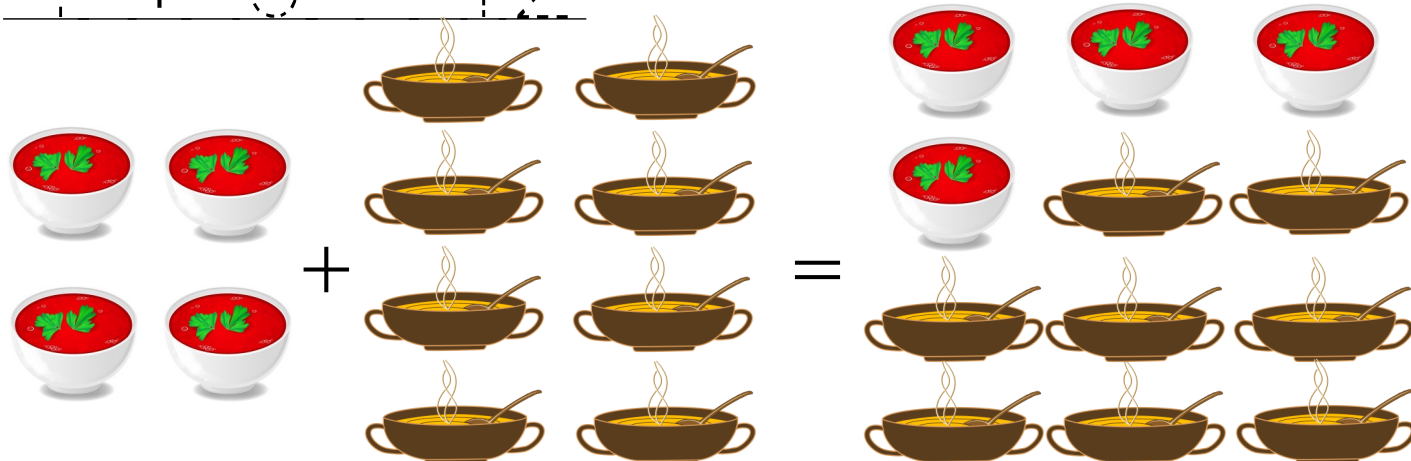


$$4 + 7 =$$



$$4 + 7 =$$

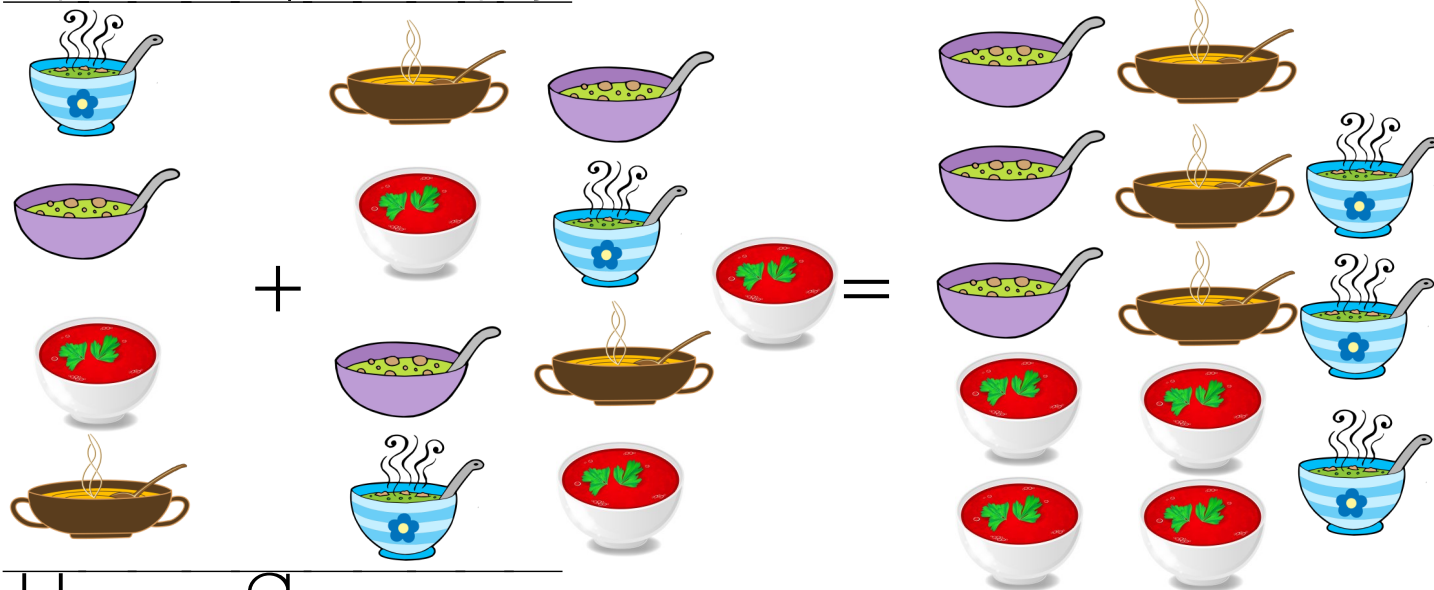
$$4 + 8 = 12$$



$$4 + 8 =$$

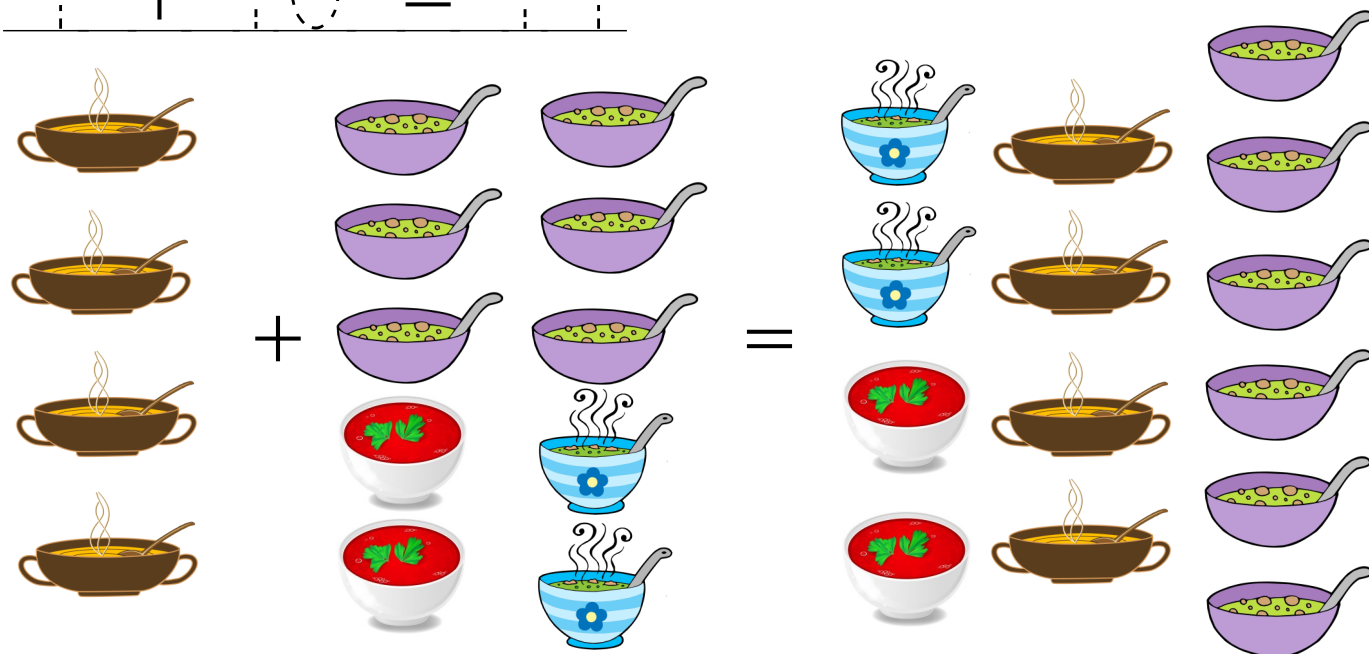


$$4 + 9 = 13$$



$$4 + 9 =$$

$$4 + 10 = 14$$



$$4 + 10 =$$





$$4 + 1 = 5$$

A visual math problem using soup bowls. On the left, there are 4 bowls of red soup, 1 bowl of yellow soup, 1 bowl of purple soup, and 1 bowl of blue soup. An equals sign follows. On the right, there are 4 bowls of yellow soup, 1 bowl of purple soup, and 3 bowls of blue soup.

$$4 + 1 = 5$$

$$4 + 2 = 6$$

A visual math problem using soup bowls. On the left, there are 4 bowls of blue soup, 2 bowls of purple soup, 2 bowls of yellow soup, and 2 bowls of red soup. An equals sign follows. On the right, there are 4 bowls of blue soup, 2 bowls of yellow soup, and 4 bowls of red soup.

$$4 + 2 =$$

# Subtraction



Next is subtraction. If you have sixteen bowls of soup for your family and friends, and you find out four of them cannot come to your house for lunch, how many bowls will you need? Trace the numbers below, including the answer. Then try to solve the next one for yourself. You can do it!

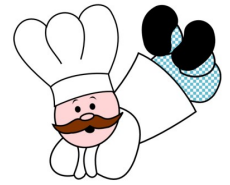
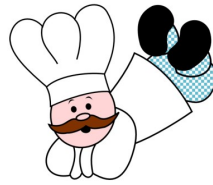
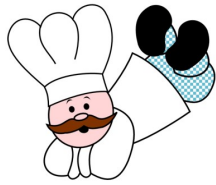
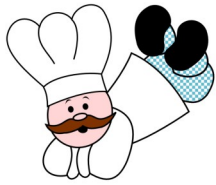
$$16 - 4 = 12$$

$$16 - 4 =$$

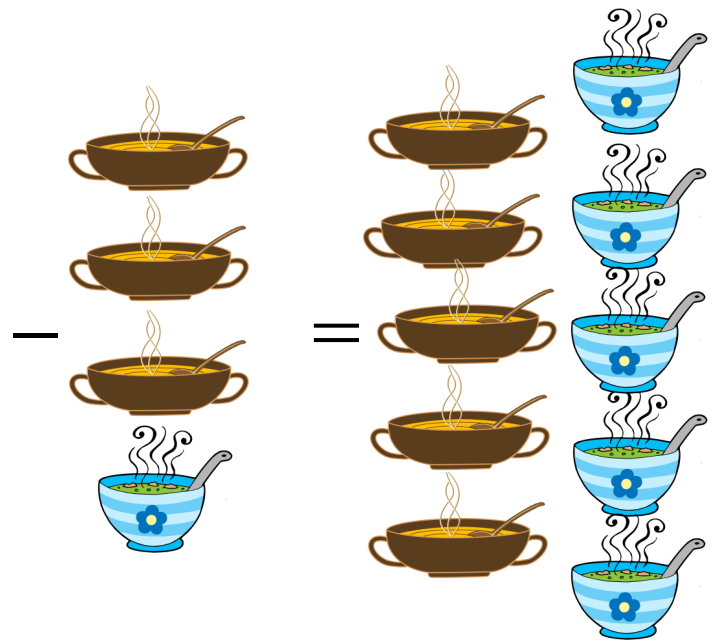
$$15 - 4 =$$

$$15 - 4 =$$



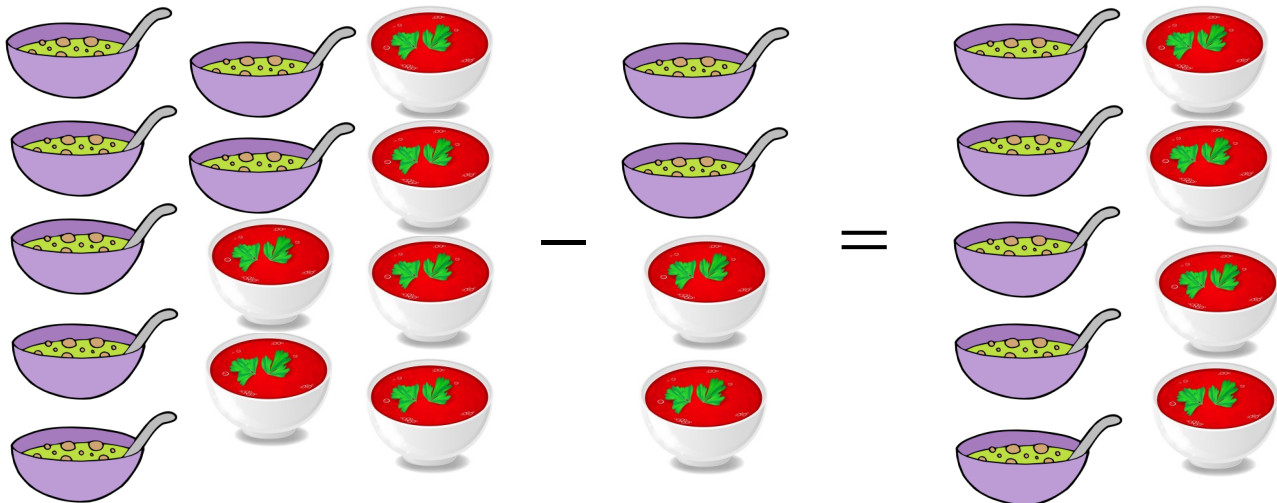


$$4 - 4 = 0$$



$$4 - 4 =$$

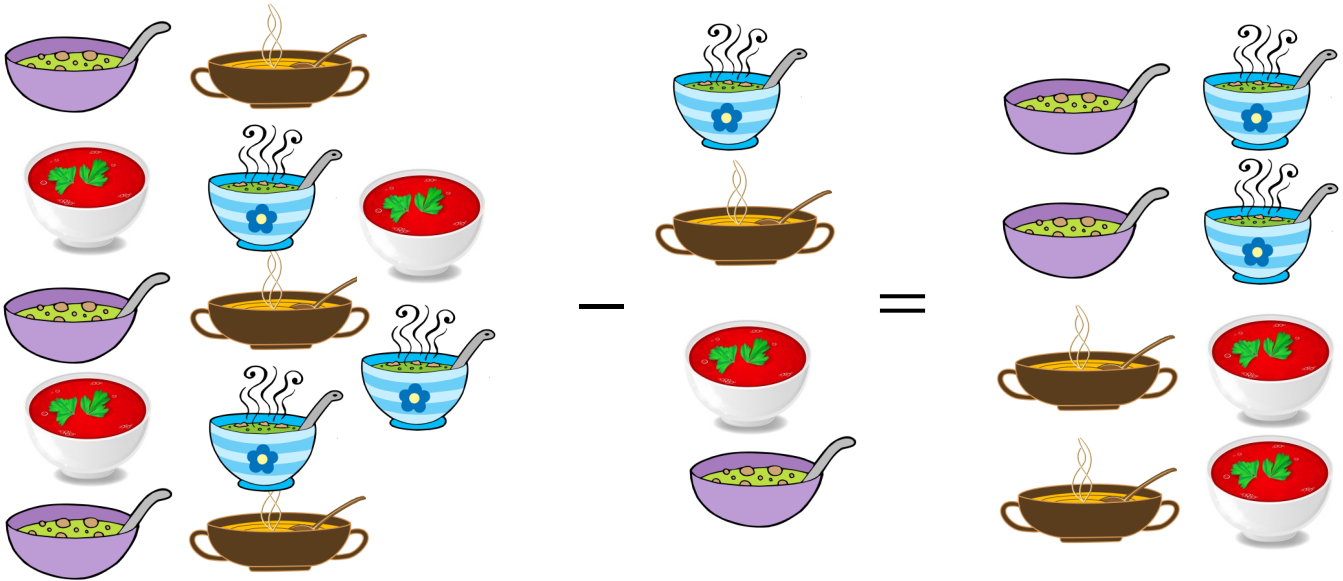
$$13 - 4 = 9$$



$$13 - 4 =$$



$$12 - 4 = 8$$

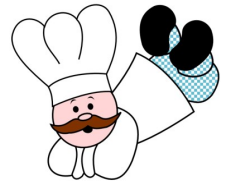
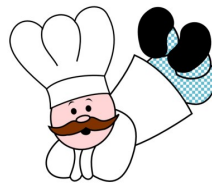
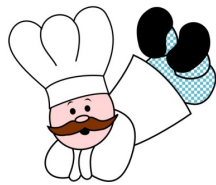
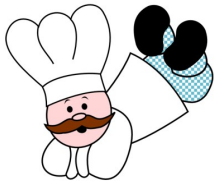


$$12 - 4 =$$

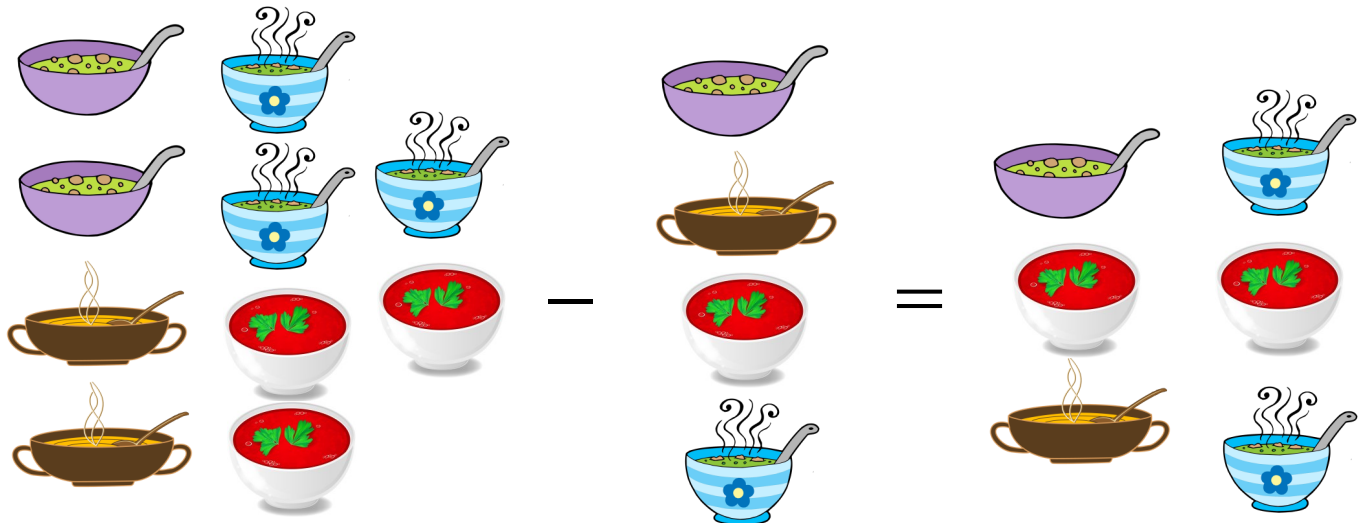
$$11 - 4 = 7$$



$$11 - 4 =$$

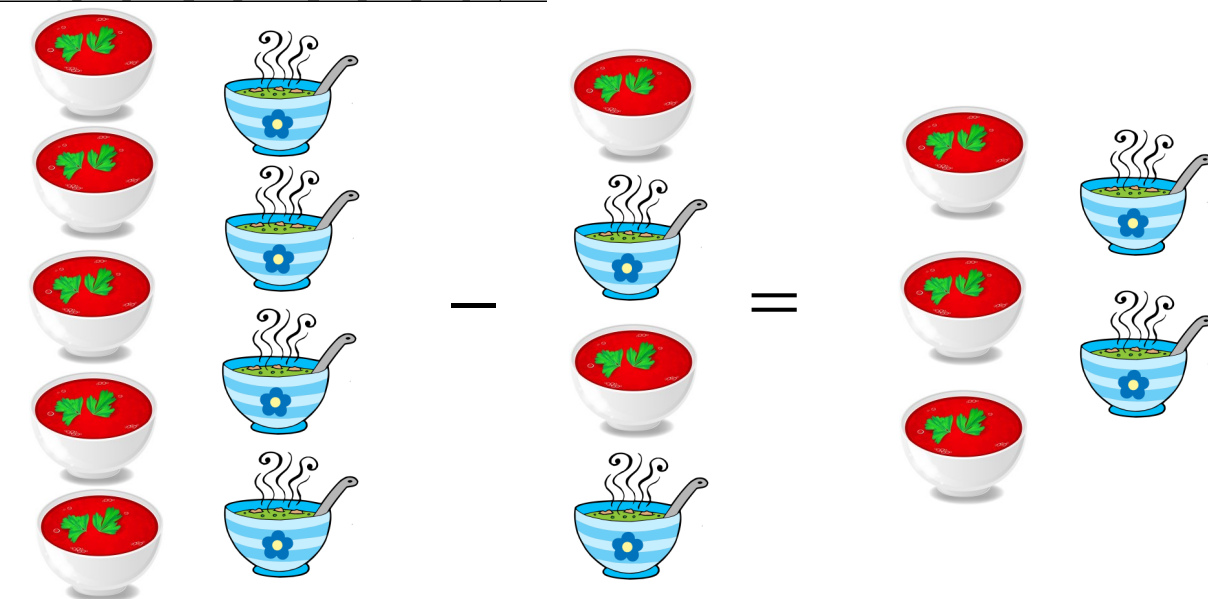


$$0 - 4 = 6$$



$$10 - 4 =$$

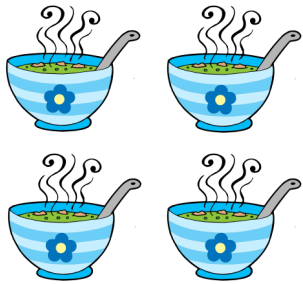
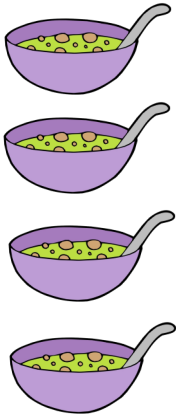
$$9 - 4 = 5$$



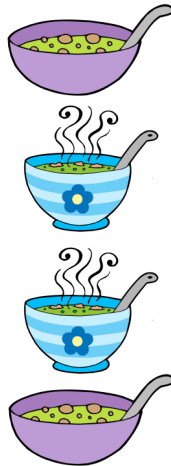
$$9 - 4 =$$



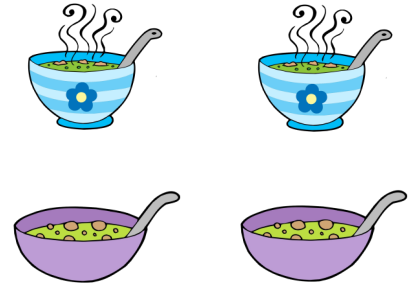
$$8 - 4 = 4$$



-

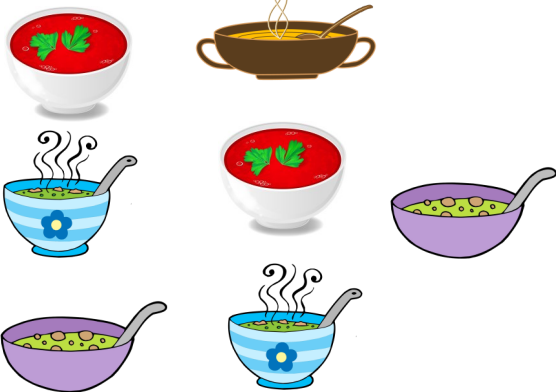


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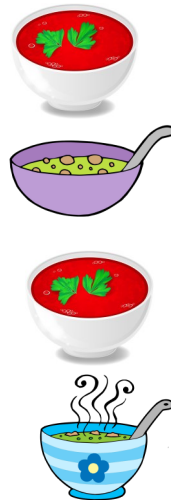


$$8 - 4 =$$

$$7 - 4 = 3$$



-



=



$$7 - 4 =$$



$$6 - 4 = 2$$



-

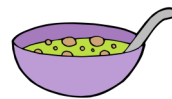


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$$6 - 4 =$$

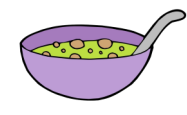
$$5 - 4 = 1$$



-



=



$$5 - 4 =$$

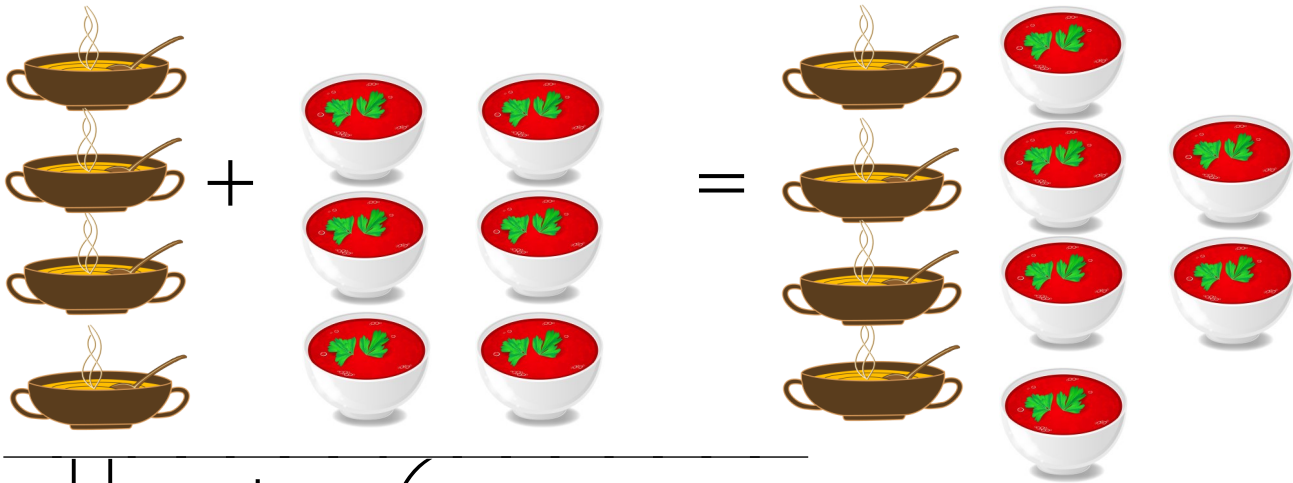
# Math Stories



Knowing number facts is very important, but what is even more fun is using those numbers! We'll try some addition stories first. Follow all the directions for each problem below. You can do it!

Mom made a big pot of soup for the soccer team to eat after practice. She had 4 bowls of soup dished up when the soccer team came in to eat. There were 6 more people that decided to stay for lunch. How many bowls of soup did Mom dish up for everyone?

$$4 + 6 = 10$$



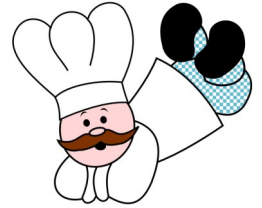
$$4 + 6 =$$

Amanda's brothers had 4 bowls of soup for dinner. Amanda had 2 bowls of soup. How many bowls of soup did they have altogether? Draw the bowls of soup to show the problem.

$$4 + 2 = 6$$

$$4 + 2 =$$





Carrie dished up 4 bowls of soup at the church potluck. Then, 7 more people came to the table to get soup. How many bowls of soup did Carrie dish up altogether? Draw the bowls of soup to show the problem. Write the problem on the lines under the pictures of soup you draw.

$$4 + 7 = 11$$

$$+ =$$

Jacob said his mom would have 4 bowls of soup ready for his friends after they were finished making snowmen. Then, 3 more friends came over to help with the snowmen. How many bowls of soup did Jacob's mom need altogether? Do all the steps to show this problem.

$$+ =$$

$$+ =$$

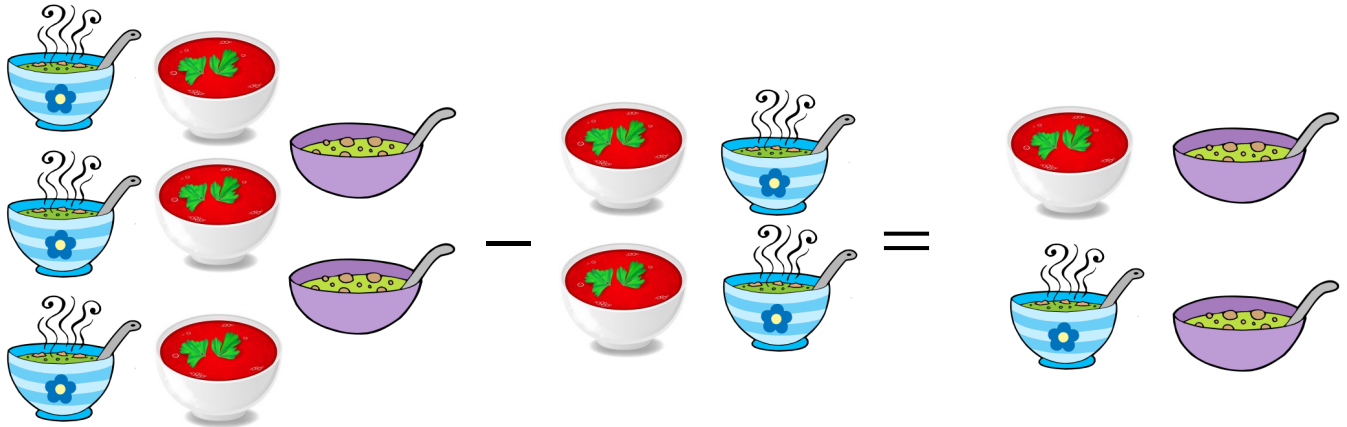
# Math Stories



Now it's time to try some math stories that use what we learned about subtraction. Follow all the directions for each problem below. You can do it!

There were 8 bowls of soup setting on the table at the church potluck. Kate took 4 bowls of soup back to her table for her family. How many bowls of soup were left?

$$8 - 4 = 4$$

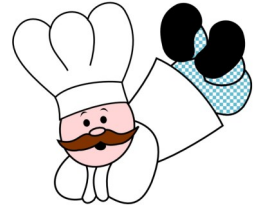


$$8 - 4 =$$

Mom had 12 bowls of soup ready for Martin's youth group when they stopped after cleaning the neighbor's garage. But, 4 of Martin's friends said they were allergic to the tomatoes in the soup, so Martin's mom made them sandwiches. How many bowls of soup did Martin's mom actually need? Draw the bowls of soup to show the problem.

$$12 - 4 = 8$$

$$12 - 4 =$$



Kim's friends love soup. There were 9 bowls of soup ready for them to eat when they visited. They ate 4 bowls of soup. How many bowls of soup were left? Draw the bowls of soup to show the problem. Write the problem on the lines under the pictures of soup you draw.

$$9 - 4 = 5$$

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

Mom's soup recipe makes enough for 5 bowls of soup. If she dished up 4 bowls of soup for lunch, how many bowls of soup could she get from what was left? Do all the steps to show this problem.

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$