



# Math Virtual Learning

## 2nd Grade Number Sense Routine and the Word Problem of the Day

**April 6, 2020**



## 2nd Grade Math

### Lesson: April 6, 2020

**Learning Target:**  
Solve one step word problems using addition

**Background: This lesson builds upon prior knowledge learned in 1st grade**

- In 1st grade students learn to represent and solve problems within 20 using subtraction and addition
- In 2nd grade students learn to write and solve problems within 100 using subtraction and addition

**Let's Get Started:**

Number Sense Routine to Warm up:

1. [Video of Numberless Word Problems in Action](#)
2. Continue on to experience a Numberless Word Problem

# Numberless Word Problem

I bought some red apples and some green apples.

Think: What are you picturing in your mind when you read this story? What is something I did buy? What is something I did not buy?

I bought 11 red apples and some green apples.

Think: What changed? What did we learn from this new information? If the word “some” changes to a number, what number do you think it could be?

I bought 11 red apples and 3 green apples. How many apples did I buy?

Think: What operation will you use to answer the question? Why?

# Numberless Word Problem

I bought 11 red apples and 3 green apples. How many apples did I buy?

Did you get 14 apples for an answer to the problem?

If so, give yourself a high five!

If not, try see where you went wrong.

$$11 \text{ red apples} + 3 \text{ green apples} = 14 \text{ apples}$$



# Problem of the Day

Before we experience the word problems of the day, let's review our word problem solving steps on the next slide.



# 6-Step Word Problem Framework

1. Read the entire problem.
2. Rewrite the question as a statement.
3. Who or what is the problem about?
4. Draw your model
5. Solve your equation(s).
6. Check your answer.

When we solve word problems, we  
have to make sure we complete  
each step so we don't miss  
anything!



## Step 1: Read the entire word problem

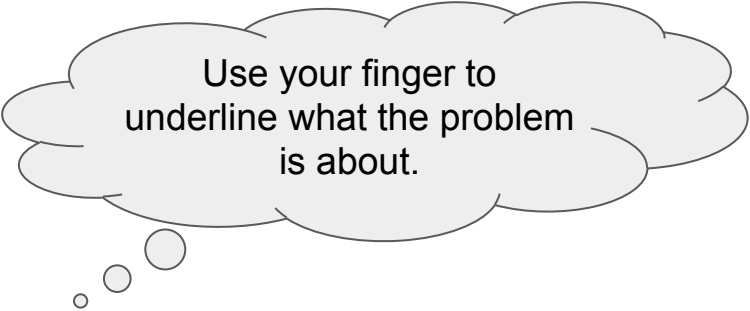
There were 15 dolphins near the shore. 24 more dolphins swam in. How many dolphins are near the shore now?

## Step 2: Write a statement

There are \_\_\_\_\_ dolphins by the shore now.

### Step 3: Who or What is the problem about?

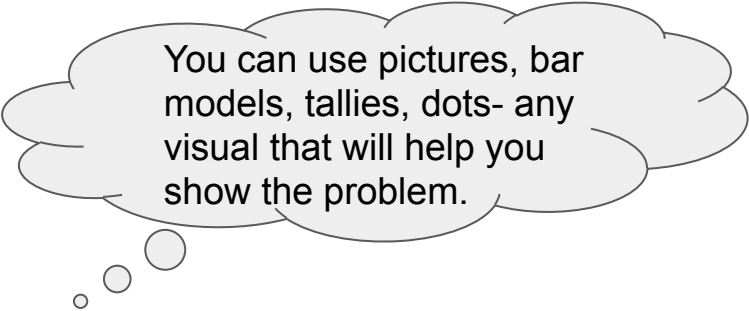
There were 15 dolphins near the shore. 24 more dolphins swam in. How many dolphins are near the shore now?



Use your finger to underline what the problem is about.

### Step 4: Draw your model

There were 15 dolphins near the shore. 24 more dolphins swam in. How many dolphins are near the shore now?



You can use pictures, bar models, tallies, dots- any visual that will help you show the problem.

## Step 5: Solve the problem

There were 15 dolphins near the shore. 24 more dolphins swam in. How many dolphins are near the shore now?

$$\begin{array}{c} 15 + 24 = \\ \swarrow \quad \searrow \quad \swarrow \quad \searrow \\ 10 \quad 5 \quad 20 \quad 4 \end{array}$$

$$10 + 20 = \underline{\quad}$$

$$5 + 4 = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

There are            dolphins by the shore now.

Step 6: Check your answer

How can we check our answer to this problem?

There were 15 dolphins near the shore. 24 more dolphins swam in. How many dolphins are near the shore now?

## Let's Try All the steps!

There were 30 dimes in the piggy bank. 12 more were put in. How many dimes are in the piggy bank?

1. Read the entire problem.
  2. Rewrite the question as a statement.
  3. Who or what is the problem about?
  4. Draw your model
  5. Solve your equation(s).
  6. Check your answer.
-

# More Practice On Your Own!

Go to the website: [Math Playground](https://www.mathplayground.com/)

1. Choose **Word Problem Set 1**
2. Read the word problem, **type your answer** in the white box and **click check**.

Add/Subtract - One Step

- Word Problem Set 1
- Word Problem Set 2
- Word Problem Set 3
- Word Problem Set 4
- Word Problem Set 5
- Word Problem Set 6
- Word Problem Set 7
- Word Problem Set 8
- Word Problem Set 9
- Word Problem Set 10

Addition and Subtraction Word Problems - Number Facts

Enter your answer in the space provided.

1 / 5 =>

Show all questions

Ned rode his bike 7 miles to the library.  
He took a shortcut on the way home which was only 5 miles long.  
How many miles did Ned ride altogether?

Check Show answer


# More Practice On Your Own!

Go to the website: [Math Playground](https://www.mathplayground.com/)

3. Click the **arrow** to go to the next question

**Addition and Subtraction Word Problems - Number Facts**

Enter your answer in the space provided.

1 / 5 => 

Show all questions

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How many miles did Ned ride altogether?

Check Show answer

# Practice:

Complete this page in your packet.

Word Problem of the Day

Miles has 22 yellow shirts and 15 green shirts. How many shirts does Miles have in all?



## Self Check:

Go tell someone in your home your answers.



1. Was this lesson?

- ☐ easy,
- ☐ just right
- ☐ hard

2. Check in with an adult on your answers to your problem of the day!