



Math Virtual Learning

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

April 8, 2020



2nd Grade Math
Lesson: [April 8, 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

There were some kids playing kickball. Then, some more kids joined the game.

Think: What are you picturing in your mind when you read this story? What is something that was happening?

There were 8 kids playing kickball. Then, some more kids joined the game.

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?

There were 6 kids playing kickball. Then, 9 more kids joined the game. How many kids ended up playing kickball?

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

Numberless Word Problem

There were 6 kids playing kickball. Then, 9 more kids joined the game. How many kids ended up playing kickball?

Did you get 15 kids for an answer to the problem?

If so, give yourself a high five!

If not, try see where you went wrong.

$$6 \text{ kids} + 9 \text{ kids} = 15 \text{ kids}$$



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

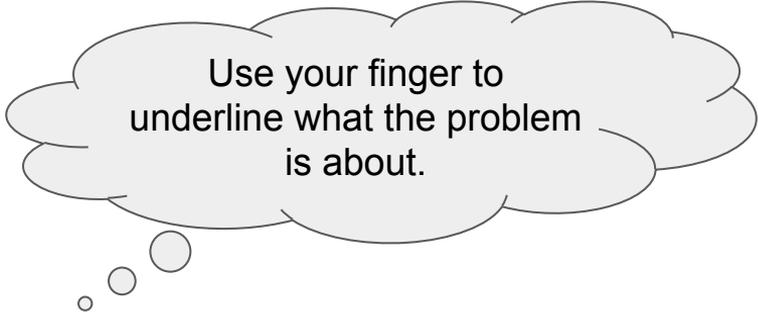
The farmer started with 22 cows. 10 of those cows had baby calves. How many total cows does the farmer now have?

Step 2: Write a statement

The farmer now has _____ cows.

Step 3: Who or What is the problem about?

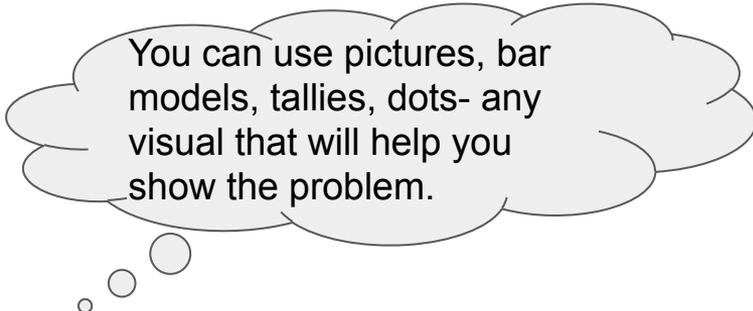
The farmer started with 22 cows. 10 of those cows had baby calves. How many total cows does the farmer now have?



Use your finger to underline what the problem is about.

Step 4: Draw your model

The farmer started with 22 cows. 10 of those cows had baby calves. How many total cows does the farmer now have?



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

Step 5: Solve the problem

The farmer started with 22 cows. 10 of those cows had baby calves. How many total cows does the farmer now have?

$$\begin{array}{c} 22 + 10 = \\ \diagdown \quad \diagup \quad \diagdown \quad \diagup \\ 20 \quad 2 \quad 10 \quad 0 \end{array}$$

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

$$2 + 0 = \underline{\quad}$$

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

The farmer now has cows.

Step 6: Check your answer

How can we check our answer to this problem?

The farmer started with 22 cows. 10 of those cows had baby calves. How many total cows does the farmer now have?

Let's Try All the steps!

On Monday I read 47 pages in my book. On Tuesday I read 38 pages. How many pages did I read altogether?

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 3**

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



2. Read the word problem, type your answer in the white box and click check.

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

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

Practice:

Complete this page in your packet.

Word Problem of the Day

There are 69 dolphins and 27 whales near the shore. How many animals are near the shore?

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!