

1ST GRADE

Equal Sign

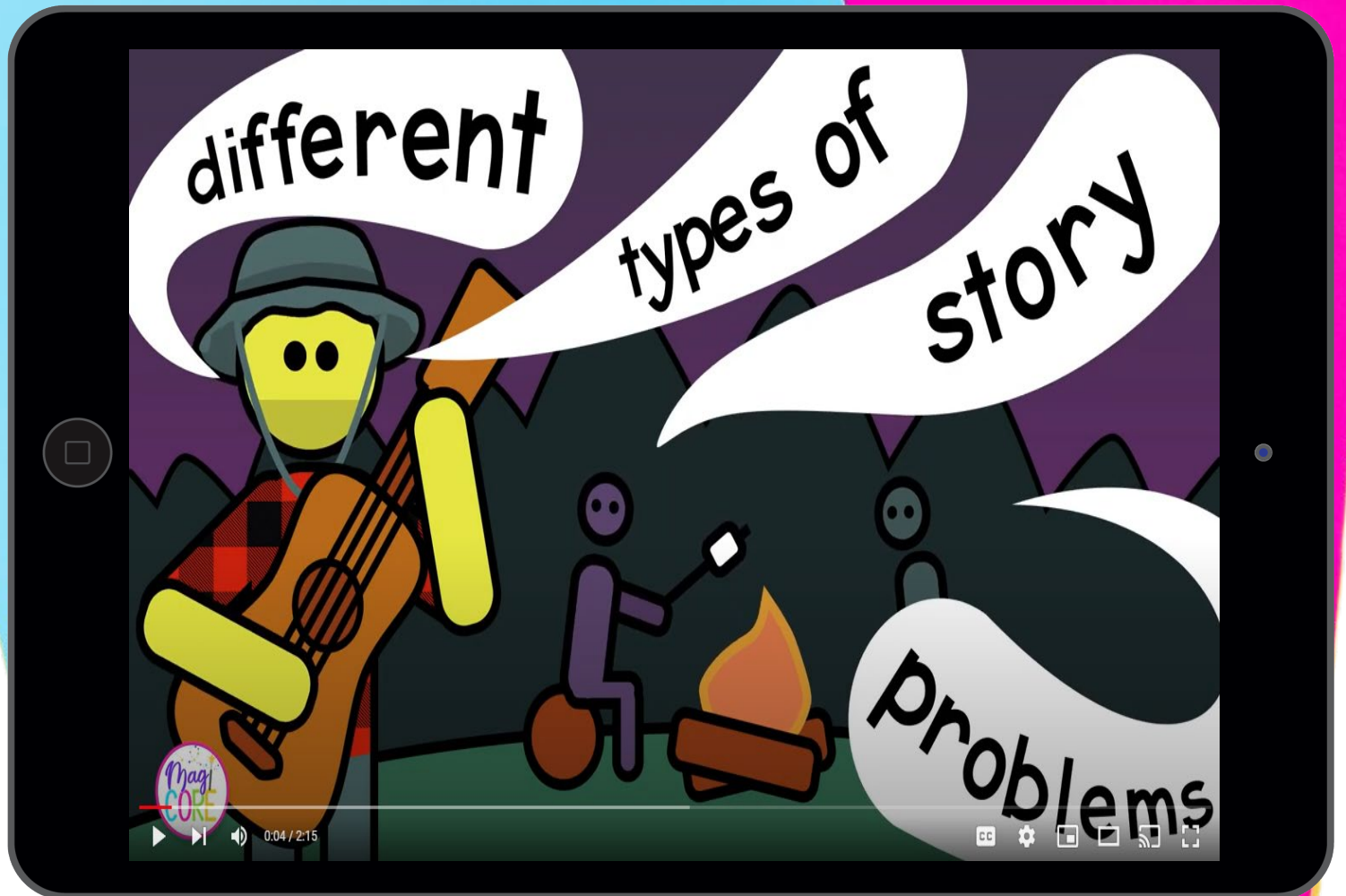
A cartoon drawing of an equals sign. It has two circular eyes with dots for pupils, a simple curved line for a smile, two horizontal arms, and two legs ending in yellow shoes with white laces. The drawing is enclosed in a decorative, hand-drawn border.

CCSS
ALIGNED
1.OA.A.2

FLORIDA
B.E.S.T.
STANDARDS
MA.1.AR.1.1

COMPLETE UNIT INCLUDES VIDEO SONG, ANCHOR CHARTS, WORKSHEETS, CENTERS, & ASSESSMENT





Make Learning Fun!
Original song and
video to introduce and
reinforce the skill.



Gem Collector

Liz collects gems. She has 6 purple gems, 7 orange gems, and 4 yellow gems. How many gems does Liz have in all?



Name: Madeline Date: _____

Independent Word Problems

Mrs. Cowley brought in drinks for her class. She brought 11 juice boxes, 4 boxes of milk, and 5 waters.

How many drinks did Mrs. Cowley bring her class in all?

$$11 + 4 + 5 = 20 \text{ drinks}$$

xxxxx □□ ooo
xxxxx □□ oo
x



Maribel spotted 7 stars in the sky last night. Her dad saw 3 stars, and her mom saw 2 stars.

How many stars did Maribel and her family see in all?



Hector roasted 4 marshmallows at the campfire. Then, he roasted 3 for his brother, and 4 for his sister.

How many marshmallows did Hector roast in all?



WORD PROBLEMS

Adding to 20 with 3 Numbers

1. Pedagogy
2. Lesson Plans
3. Anchor Chart: 3 Ways to Solve Word Problems
4. Anchor Chart: Add 3 Numbers
5. Solving Word Problems Process Cards
6. Day 1 Lesson Problems
7. Day 2 Lesson Problems
8. Support Packet
9. Day 3 Lesson Problems
10. Day 4 Lesson Problems
11. Independent Packet
12. Anchor Chart: Writing Word Problems
13. Write a Word Problem Game
14. Day 6 Lesson Problems
15. 3 Number Word Problems Mini Book
16. Quiz
17. 3 Number Word Problems

Word Problems Using 3 Numbers

Mathematical curriculum is intended to increase in complexity over time, allowing students to build upon foundational skills and learn to apply knowledge at a higher level. Solving word problems with 3 numbers in the problem is an excellent example of providing students with the opportunity to increase their mathematical understanding through complexity of problems. Word problems are designed to help students apply mathematical skills to real world problems. Students will face real world problems where they need to use three or more numbers; this unit helps usher in that way of reasoning.

At this point, students likely have a grasp of how to solve word problems, the strategies available to them, and the basics of how to find what they need from the problem to solve it. To increase their understanding of word problems, 1.OA.2 comes in to sure up that understanding, while also providing a new level of difficulty to increase student understanding. With practice, students understand that a word problem with 2 numbers is not different to solve from a word problem with 3 numbers, or 4, etc. The key is to decipher the wording, the desired operation, and the numbers you are working with.

Students will be building off what they already know about word problems. They will be using strategies highlighted in the previous word problem unit but will be applying them to word problems with 3 numbers. Different from the initial word problem standard, 1.OA.1, 1.OA.2 only focuses on addition problems. The key here is practice practice practice, with a gradual weaning off of scaffolds like outlines or checklists. Student knowledge will also be expanded as they learn to write their own word problems. This rigorous skill will increase their depth of understanding and learning.

Word Problems Using 3 Numbers

Day 1: Today, you will begin working on solving addition word problems using 3 numbers. Remind students that they are already familiar with word problems. Remind them that word problems can be confusing, so it is important that we use steps to help us understand and solve word problems. These steps will help us learn to tackle word problems, and with a lot of practice, we won't even need to think about the steps! Show students the chart that walks through the problem-solving process. Remind them that this should look familiar from when they used it during the first word problem unit.

***Seeing as word problems can be very difficult for students, to refresh their memory you can spend the first day of this unit reviewing addition word problems with 2 numbers, from the previous word problem unit. If you do not feel they need an entire day of review, you can begin this unit with this first mini lesson below.**

Mini Lesson: Today, we will begin solving addition word problems with 3 numbers in the problem. I will pose a problem, then I will model how to use the problem-solving process to solve this problem.

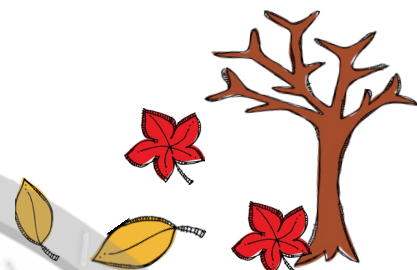
- Review the anchor chart "Three Ways to Solve a Problem" from the previous word problem unit. Remind students of these strategy options.
- Show students the problem "Autumn" on a poster. This is a 2 number addition word problem for a quick review. Ask if any student could help you solve this problem and have them share the answer.
- Tell students that you will now be focusing on addition word problems with 3 numbers.
- Introduce the Word Problems Using 3 Numbers song.
- Show students the problem "Strawberry Fields" on a poster.
- Model how to follow the problem-solving process, beginning with reading the problem, visualizing, and retelling. When it comes to solving the problem, show students the anchor chart with "Three Ways to Solve a Problem." Decide on a method, such as drawing a picture, and model solving the problem. When it comes to checking work, select a different method to check work.
- Be sure to explicitly model each problem-solving step, while showing students how to refer to the Problem-Solving Process Posters.

Name: _____ Date: _____

Autumn

Lisa found 4 red leaves on the ground and 6 yellow leaves on the ground.

How many leaves did Lisa find in all?



Use the problem-solving steps. Check the box after you have completed each step.

Visualize the Problem



Retell the Problem



Underline Key Words &

Circle Key Numbers

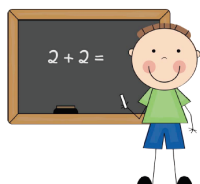


Solve the Problem
Using a Strategy



_____ + _____ = _____

Write an Equation



Label Your Answer

Lollipops?

Books?

Flowers?



Apples?

Puppies?

Pennies?

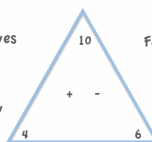
Check Your Work

Use
Manipulatives

Fact Family

Try a new
strategy

Draw a
Picture



Do the problem over

Name: _____ Date: _____

Cupcake Party

Mrs. Jost is throwing a birthday party. She ordered 5 vanilla cupcakes, 10 chocolate, and 4 strawberry.



How many cupcakes did Mrs. Jost order in all?

Use the problem-solving steps. Check the box after you have completed each step.

Visualize the Problem



Retell the Problem



Underline Key Words &
Circle Key Numbers

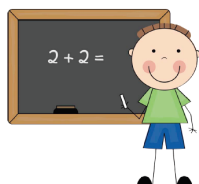


Solve the Problem
Using a Strategy



_____ + _____ + _____ = _____

Write an Equation



Label Your Answer

Lollipops?

Books?

Flowers?



Apples?

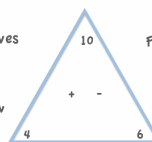
Puppies?

Pennies?

Check Your Work

Use
Manipulatives

Try a new
strategy



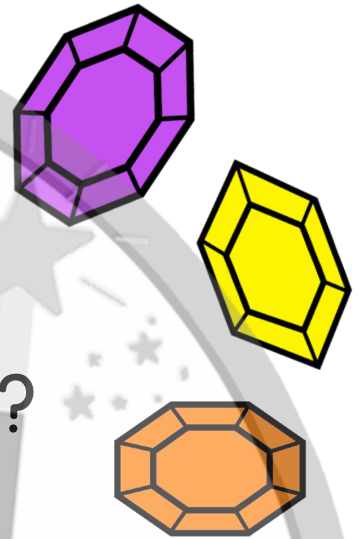
Fact Family

Draw a
Picture

Do the problem over

Gem Collector

Liz collects gems. She has 6 purple gems, 7 orange gems, and 4 yellow gems.

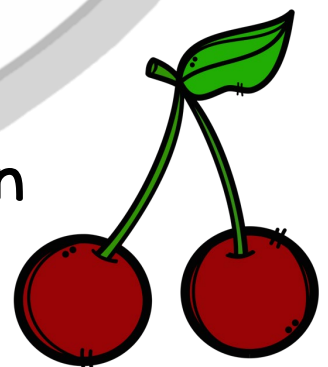


How many gems does Liz have in all?

Cherries

Damon ate 11 cherries. Later, Damon ate 3 more cherries. After that, Damon ate 6 more cherries.

How many cherries did Damon eat in all?



Name: _____ Date: _____

Independent Word Problems

Evan has butterflies in his backyard. He sees 5 blue ones, 6 pink ones, and 2 yellow ones.

How many butterflies does Evan see in all?



Tonya got a box of nail polish for her birthday. She got 2 red bottles, 9 pink bottles, and 1 green bottle.

How many bottles of nail polish does Tonya have in all?



Gabby lives on a farm. She has 12 cows, 3 chickens, and 3 sheep.

How many animals does Gabby have on her farm?



Writing Word Problems

Writing word problems can be tricky!

Follow these steps to write your own word problem:

1. Decide what operation you will use.



+ **-**

2. How many numbers will be in your problem?



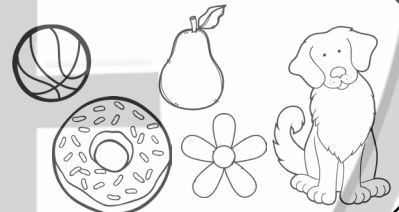
1? 2? 3? ...

3. What numbers will you use?



9 8 7 10
4 10 2 10
6 1 3 5

4. Pick your subject and character.



5. Write your word problem!



_____ has 3 red pears,
7 green pears, and 4
yellow pears. How many
pears does _____ have
in all?

Write a Word Problem



Directions:

Use the numbers and subject cards to come up with a word problem. Then, draw and write your word problem.



Addition



Addition



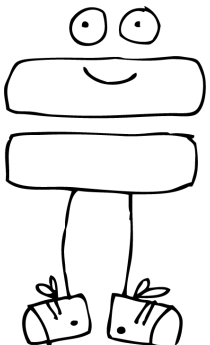
Addition



Addition



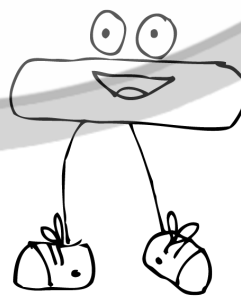
Equal Sign



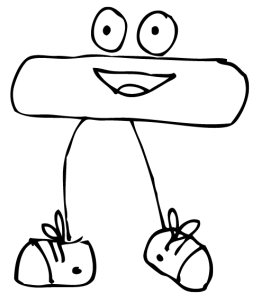
Equal Sign



Subtraction



Subtraction



Draw your word problem



Write your word problem

Handwriting practice lines consisting of multiple sets of three horizontal lines (top, middle dashed, bottom) for writing the word problem.

3 Number Word Problems

Addition Safari



By: _____

Date: _____

We can see word problems everywhere! When you spot a word problem, use these strategies to help you solve it!



Visualize the Problem



Retell the Problem



Underline Key Words & Circle Key Numbers



Determine What Type of Problem You Are Solving



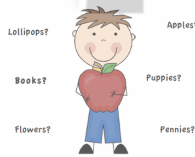
Solve the Problem Using a Strategy



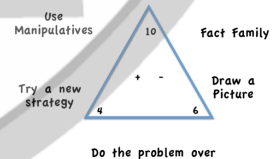
Write an Equation



Label Your Answer



Check Your Work



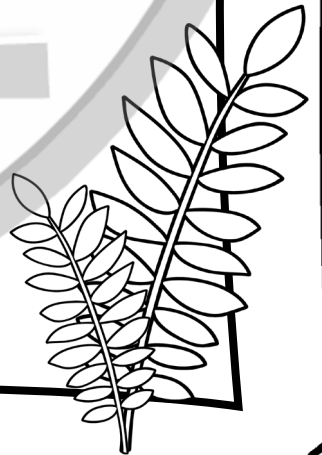
You're ready! Let's go on an adventure ...



**We have spotted a
Word Problem in
the wild! See if you
can solve it.**



Alonso saw 6 tigers on the safari.
He also saw 3 lions and 2 cheetahs.
How many animals did Alonso see in all?



Name: _____ Date: _____

Quiz

Word Problems Adding 3 Numbers

Solve each problem using the problem-solving strategies.

1. Kiara's family loves animals. They have 3 pet birds, 8 pet snakes, and 7 pet horses. How many pets does Kiara's family have in all?
2. Luke loves to read. On Monday night, he read 9 pages. On Tuesday, Luke read 4 more pages. On Thursday, Luke read 2 pages. How many pages of his book did Luke read during the week?

3 Number Word Problems

Directions:

1. Print cards.
2. Laminate and cut out.
3. Either hole punch the corners of the cards and put them all together on a clip ring or store them in a small Ziploc bag or a box.

Label

3 Number Word Problems

Liberty went shopping at the mall.

She bought 5 scarves, 6 skirts, and
6 hats.

How many items did Liberty buy in
all?

Directions: Solve the 3 number addition equation. Be sure to label your answer when you are finished.

Liberty went shopping at the mall.

She bought 5 scarves, 6 skirts, and 6 hats.

How many items did Liberty buy in all?

Kipp found 4 kittens living underneath his house.

The next day, he found 3 more kittens. The day after that, he found 5 more kittens.

How many kittens did Kipp find in all?

Aiden is growing apple trees in his backyard. He is growing 9 green apple trees, 7 red apple trees, and 2 pink apple trees.

How many apple trees is Aiden growing in all?

Spencer has 9 striped fish in his aquarium. He also has 6 spotted fish. His mom brought home 4 more fish for Spencer's aquarium.

How many fish does Spencer have in all?

Tamara ate 5 carrots and 7 slices of cucumber at lunch. For snack, Tamara ate 5 pepper slices.

How many pieces of vegetables did Tamara eat in all?

Melissa is picking up after soccer practice. She picks up 8 soccer balls, 10 cones, and 2 water bottles.

How many items did Melissa pick up in all?

Josie went to dance class for 4 hours on Monday. She went back to dance class for 3 hours Wednesday, and 5 hours Friday.

How many hours did Josie dance this week?

David completed 8 math problems on Tuesday. On Wednesday, he finished 4 math problems. On Friday, he finished 2 more math problems.

How many problems did David solve in all this week?

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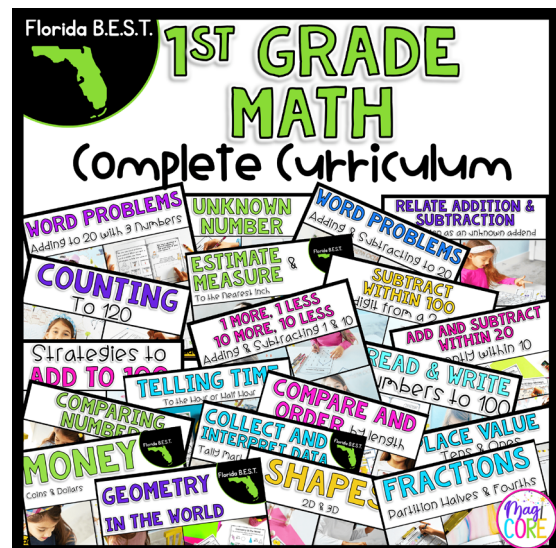
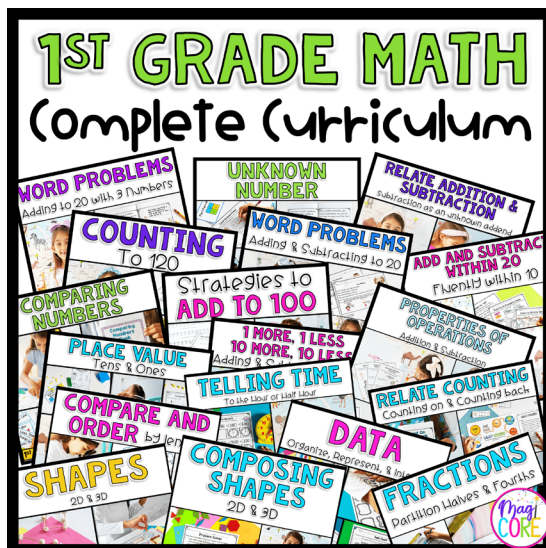
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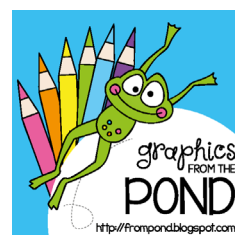
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