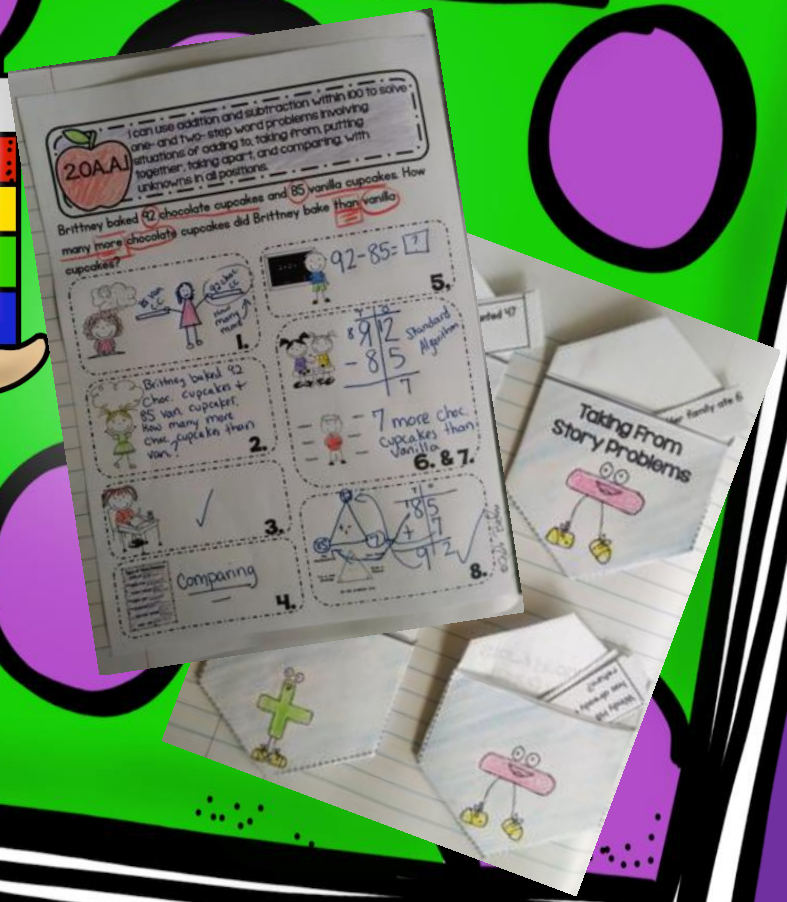
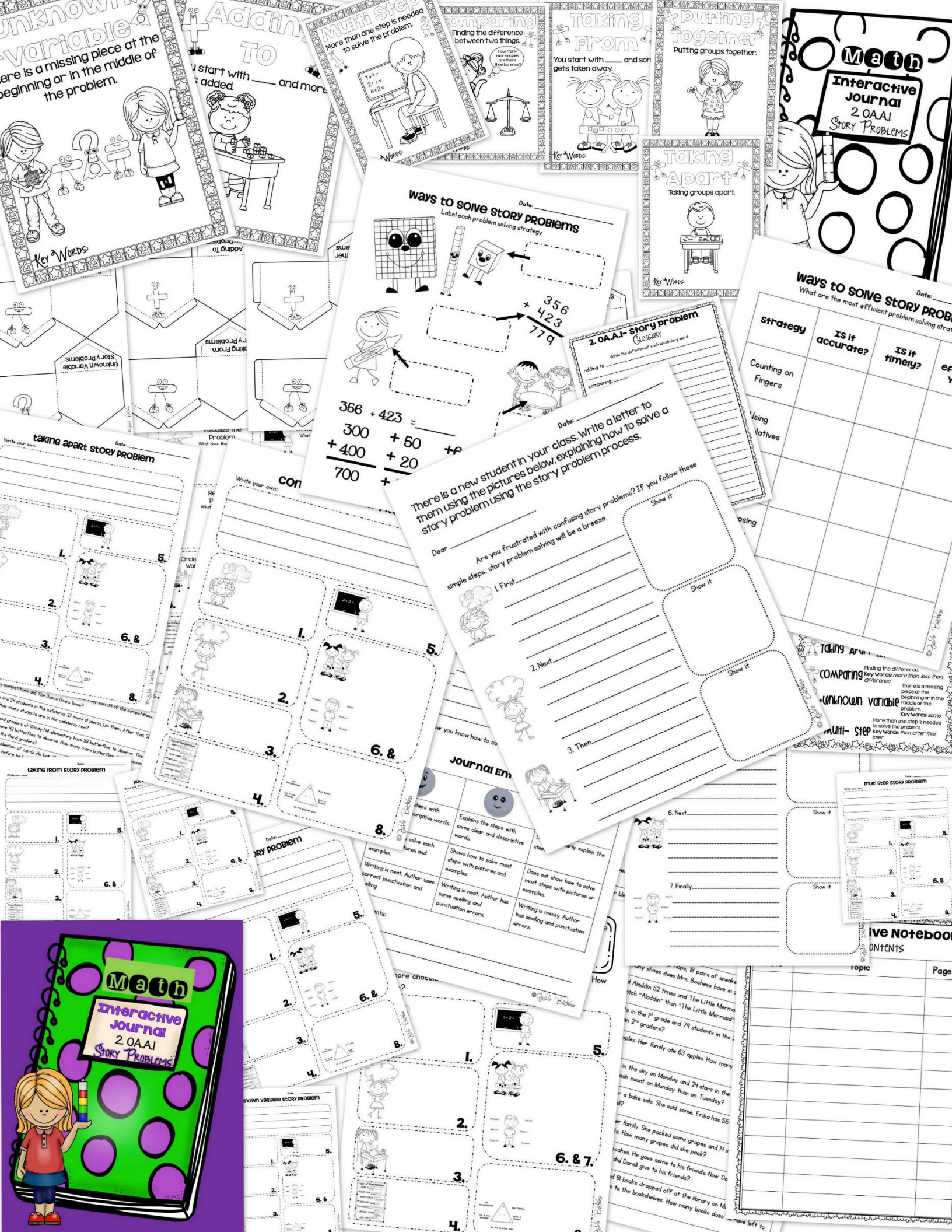
Math

Interactive Journal

2.OA.A.1

Story Problems




Unknown Variable
There is a missing piece at the beginning or in the middle of the problem.
Key Words:
Adding To
Multi Step
More than one step is needed to solve the problem.
Comparing
Finding the difference between two things.
How many more apples are there than bananas?
Taking From
You start with ____ and some gets taken away.
Putting Together
Putting groups together.
Taking Apart
Taking groups apart.
Math
Interactive Journal
2.OA.A.1
Story Problems
Ways to Solve Story Problems
Label each problem solving strategy
Date:
356 + 423 = ____
300 + 400 = 700
+ 50 + 20
356
+ 423
779
2. OA.A.1- Story problem Glossary
Write the definition of each vocabulary word
adding to
comparing
Strategy
Is it accurate?
Is it timely?
Counting on Fingers
Taking Apart Story Problem
Taking From Story Problem
Multi Step Story Problem
Unknown Variable Story Problem
There is a new student in your class. Write a letter to them using the pictures below, explaining how to solve a story problem using the story problem process.
Dear _____,
Are you frustrated with confusing story problems? If you follow these simple steps, story problem solving will be a breeze.
1. First
2. Next
3. Then
Show it
Journal Entry
Explains the steps with some clear and descriptive words.
Shows how to solve most steps with pictures and examples.
Writing is neat. Author has some spelling and punctuation errors.
Does not show how to solve most steps with pictures or examples.
Writing is messy. Author has spelling and punctuation errors.
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2.OA.A.1

Story Problems

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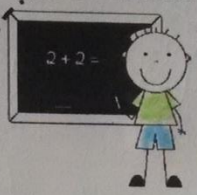
problem solving steps

Visualize the Problem

What does this mean?

Imagine what is happening in the beginning, middle, and end.

1.



Write an Equation

What does this mean?

Match the equation to the problem

_ □ _ = _

5.

Retell the Problem

What does this mean?

Without peeking, say what happened in the beginning, middle, and end.

2.

Pick a Problem Solving Strategy

What does this mean?

Pick an efficient strategy
- Standard algorithm
- decomposing #'s
- mental math

6.

Circle and Underline Key Words and Numbers

What does this mean?

Be sure to pick words & numbers that will HELP you.

3.

Label Your Answer

What does this mean?

Write what the # means.

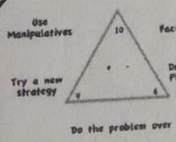
7.

Determine What Type of Problem

What does this mean?

Go through chart in journal
- adding to / taking from
- putting together / taking apart
- Comparing
- multi-step
- unknown

4.



Check Your Work

What does this mean?

Do the problem over or do a new equation using fact families.

8.

2.OA.A.1 I can use addition and subtraction within 100 to solve one- and two- step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions.

Brittney baked 92 chocolate cupcakes and 85 vanilla cupcakes. How many more chocolate cupcakes did Brittney bake than vanilla cupcakes?

1.

Brittney baked 92 choc. cupcakes + 85 van. cupcakes. How many more choc. cupcakes than van.?

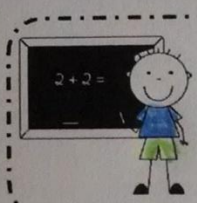
2.

✓

3.

Comparing

4.



92 − 85 = ?

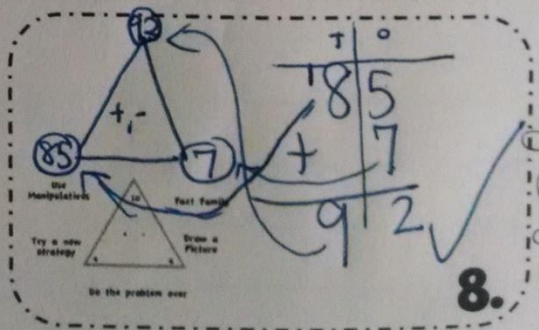
5.

	T	O
8	9	12
−	8	5
		7

Standard Algorithm

7 more choc. cupcakes than vanilla

6. & 7.



8.

Date: 5/15/2014

There is a new student in your class. Write a letter to them using the pictures below, explaining how to solve a story problem using the story problem process.

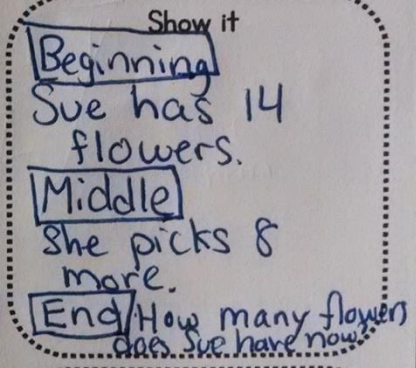
Dear Samantha,

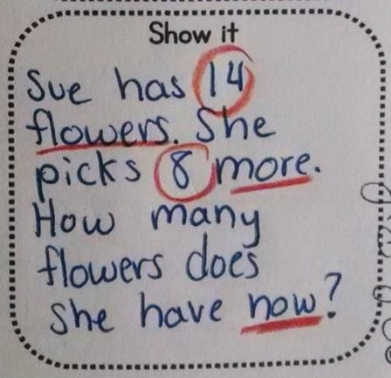
Are you frustrated with confusing story problems? If you follow these simple steps, story problem solving will be a breeze.

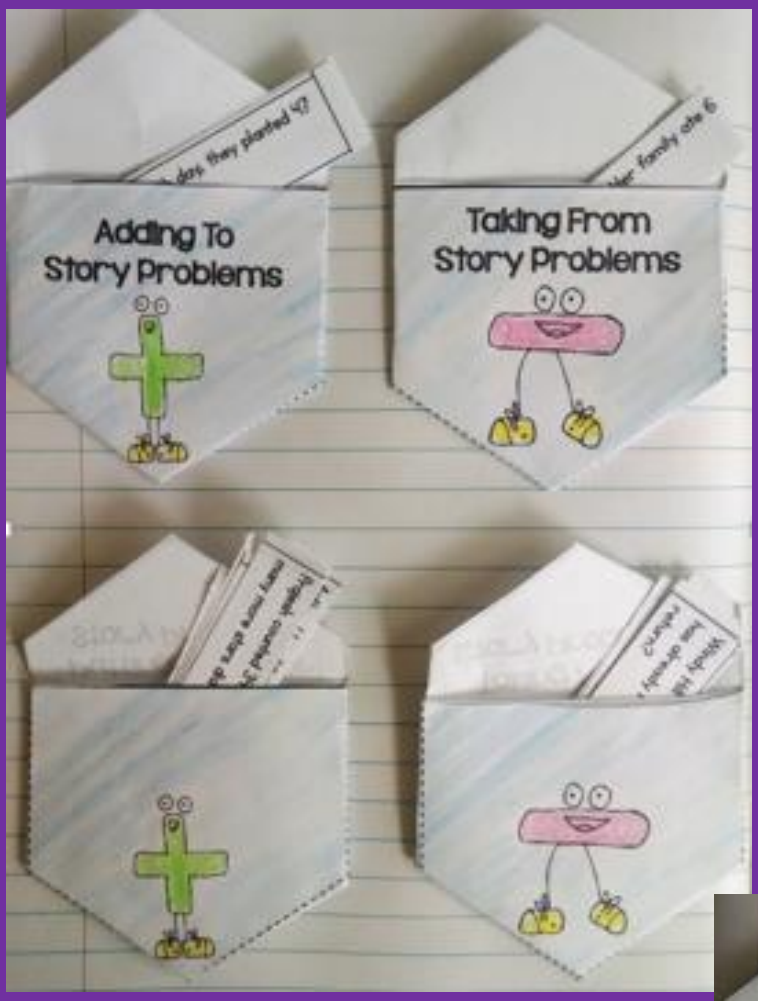
1. First Visualize the problem. Imagine what is happening in the problem. Make a movie in your mind.

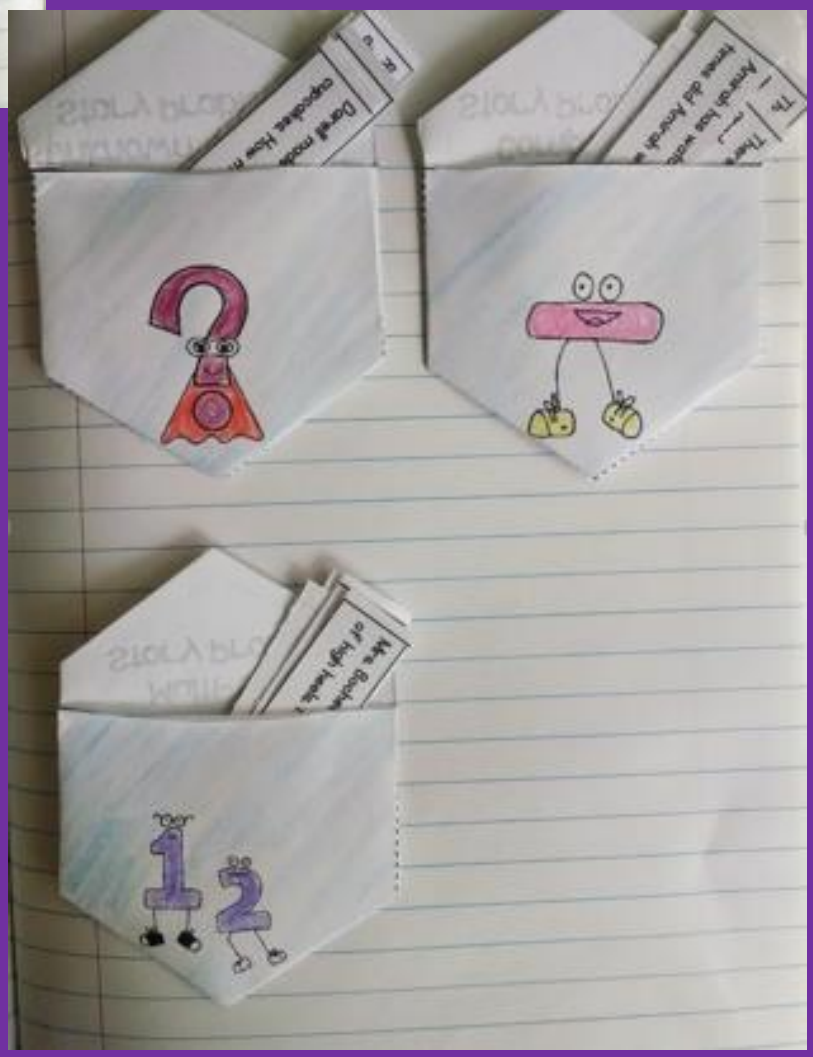
2. Next Retell the problem. Say what happened in the beginning, middle, and end of the problem. Don't peek!

3. Then Circle and underline key words and numbers. Be sure to pick out only the numbers that will help you!






Adding To
Story Problems
Taking From
Story Problems



Adding TO

You start with _____ and more gets added.

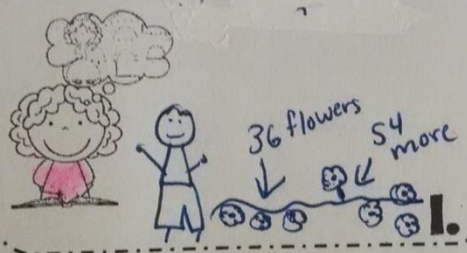
Key Words: altogether, in all, sum, total

Date: _____

ADDING TO STORY PROBLEM

Write your own:

Ben has 36 flowers planted in his garden. He plants 54 more flowers. How many flowers does Ben have now?



1.

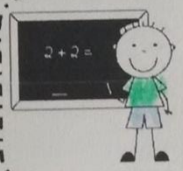
2.

✓

3.

Adding to

4.



36+54=□

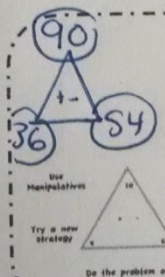
5.

Standard Algorithm

$$\begin{array}{r} {}^{1}36 \\ +\,54 \\ \hline 90 \end{array}$$

90 flowers

6. &



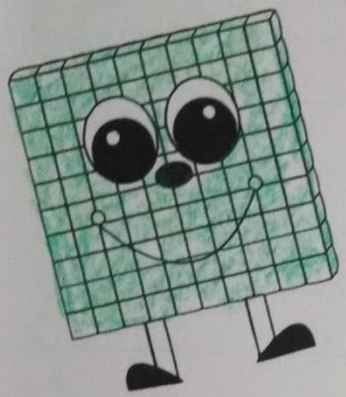
$$\begin{array}{r} {}^{8}\cancel{9}0 \\ -\,54 \\ \hline 36 \end{array}$$ ✓

8.

Date: _____

Ways to Solve Story Problems

Label each problem solving strategy



Manipulatives

$$\begin{array}{r} 356 \\ +\ 423 \\ \hline 779 \end{array}$$

Standard Algorithm

Draw a Picture

Count on Fingers

$356 + 423 = \_\_\_\_\_$

$$\begin{array}{rrrr} 300 & +\ 50 & +6 & \\ +\ 400 & +\ 20 & +3 & \\ \hline 700 & +\ 70 & +\ 9 & = 779 \end{array}$$

Decomposing Numbers

Date: _____

Ways to Solve Story Problems

What are the most efficient problem solving strategies?

strategy	Is it accurate?	Is it timely?	Is it efficient? Y or N
Counting on Fingers	With small #'s - not with large #'s	No	N
Using Manipulatives	yes - place value blocks	No	N
Drawing a Picture	No	No	N
Decomposing Numbers	yes	yes	Y
Standard Algorithm	yes	yes	Y