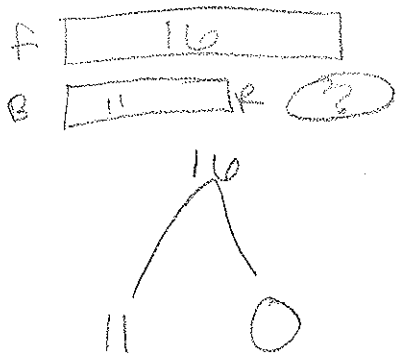
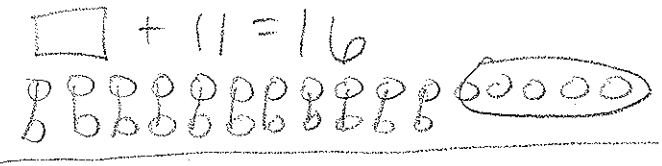
Solve the following problem. Include an equation and a drawing/model. Identify what type of problem this is (e.g. Take away, change unknown)

1. There are 16 flowers. Some are red and 11 are blue. How many flowers are red?





5 red

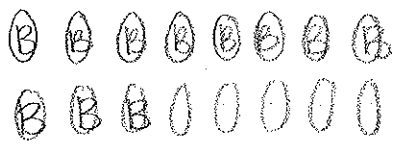
part, part, whole

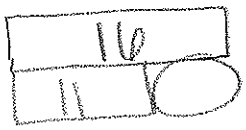
Brief Reflection:
How did today's activities impact your understanding of addition and subtraction story problems? Why are structures of addition and subtraction important for *teachers* to understand?

I can better understand the different types of story problems. It's important to know so as a teacher I can teach each different type of story problem to my students.

Solve the following problem. Include an equation and a drawing/model. Identify what type of problem this is (e.g. Take away, change unknown)

1. There are 16 flowers. Some are red and 11 are blue. How many flowers are red?





5 red flowers

Part-Part Whole
Start unknown

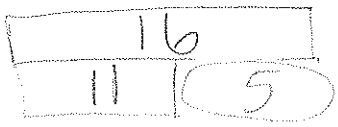
Brief Reflection:
How did today's activities impact your understanding of addition and subtraction story problems? Why are structures of addition and subtraction important for *teachers* to understand?

I thought this was great to learn about. A lot of student struggle with word problems. Knowing now how to word them right will help their understanding. If we know the structure correctly, the explaining how the answer is what it is will be easier for understandment

Solve the following problem. Include an equation and a drawing/model. Identify what type of problem this is (e.g. Take away, change unknown)

1. There are 16 flowers. Some are red and 11 are blue. How many flowers are red?

$16 = \square + 11$



Part-part-whole

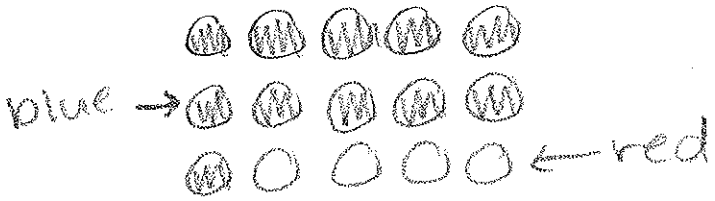
Brief Reflection:
How did today's activities impact your understanding of addition and subtraction story problems? Why are structures of addition and subtraction important for *teachers* to understand?

Todays activity helped me understand that there are many different types of addition and subtraction story problems and understanding these differences helps students to solve them easier and correctly. It is important as teachers to know the differences and structures in order to realize where our students are struggling and how to help them.

Solve the following problem. Include an equation and a drawing/model. Identify what type of problem this is (e.g. Take away, change unknown)

1. There are 16 flowers. Some are red and 11 are blue. How many flowers are red?

16 = ___ + 11 or 16 − 11 = 5 flowers



Part-Part-Whole, Start unknown

Brief Reflection:
How did today's activities impact your understanding of addition and subtraction story problems? Why are structures of addition and subtraction important for *teachers* to understand?

I did not realize how thedifferent structuring of a problem could affect the strategies a student would want to use. It is important for us to understand these differences to help students understand different strategies and how some might be better than others to use at certain times.

Solve the following problem. Include an equation and a drawing/model. Identify what type of problem this is (e.g. Take away, change unknown)

1. There are 16 flowers. Some are red and 11 are blue. How many flowers are red?

$16 = \square + 11$

Add to → change unknown

There are 5 red flowers

Brief Reflection:
How did today's activities impact your understanding of addition and subtraction story problems? Why are structures of addition and subtraction important for *teachers* to understand?

By having to write the problems myself I had to more deeply understand the problem. These structures are important because they give you a look into what the students are more directly thinking

Solve the following problem. Include an equation and a drawing/model. Identify what type of problem this is (e.g. Take away, change unknown)

1. There are 16 flowers. Some are red and 11 are blue. How many flowers are red?

$16 = \square + 11$ $\quad 11 + \square = 16$ $\quad$ 5 red flowers

- Add to problem
  Change unknown

Brief Reflection:
How did today's activities impact your understanding of addition and subtraction story problems? Why are structures of addition and subtraction important for *teachers* to understand?

- I was able to categorize problems into different areas. This is to better explain it to my students & see what part they don't understand

Solve the following problem. Include an equation and a drawing/model. Identify what type of problem this is (e.g. Take away, change unknown)

1. There are 16 flowers. Some are red and 11 are blue. How many flowers are red?

Red Blue
16 = __ + 11

5 Red flowers.

Change Unknown Add on.

Brief Reflection:
How did today's activities impact your understanding of addition and subtraction story problems? Why are structures of addition and subtraction important for *teachers* to understand?

opened up more exploration into how I can write story/word problems to have students dive deeper into concepts.

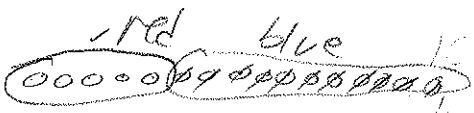
Teachers need to have a grasp on all levels of Addition + Subtraction because their students will be
testing some form of these separate parts.
Teaching the strategies will help prepare for these tests.

Solve the following problem. Include an equation and a drawing/model. Identify what type of problem this is (e.g. Take away, change unknown)

1. There are 16 flowers. Some are red and 11 are blue. How many flowers are red?

add on change unknown

red blue



□ + 11 = 16

16 - 11 = 5 red flowers

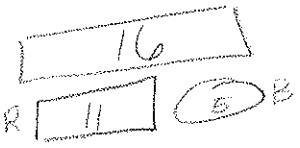
Brief Reflection:
How did today's activities impact your understanding of addition and subtraction story problems? Why are structures of addition and subtraction important for *teachers* to understand?

They helped to get me thinking of story problems and how wording is so key. I am still confused but should get there with more practice. they are important to know because teachers so they can understand how students think with everything and how student would process it.

Solve the following problem. Include an equation and a drawing/model. Identify what type of problem this is (e.g. Take away, change unknown)

1. There are 16 flowers. Some are red and 11 are blue. How many flowers are red?

Compare



$16 = 11 + \boxed{5}$

5 Blue flowers

Brief Reflection:
How did today's activities impact your understanding of addition and subtraction story problems? Why are structures of addition and subtraction important for *teachers* to understand?

I knew that there were different types of story problems, but I did not understand how to write them and the differences in the wording. It is important for teachers to understand so we can better teach strategies for these problems & assist our students in understanding how to solve the different story problems.

Solve the following problem. Include an equation and a drawing/model. Identify what type of problem this is (e.g. Take away, change unknown)

1. There are 16 flowers. Some are red and 11 are blue. How many flowers are red?

$\_ + 11 = 16$

5 red flowers

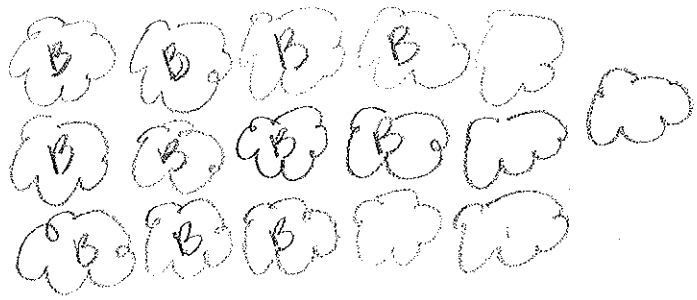
compare

Brief Reflection:
How did today's activities impact your understanding of addition and subtraction story problems? Why are structures of addition and subtraction important for *teachers* to understand?

Made me think more how kids do. Also I never categorized problems like this. It helped me to gain a better understanding. It's important so kids can be more well rounded with addition & subtraction. It helps them to think in different ways as well.

Solve the following problem. Include an equation and a drawing/model. Identify what type of problem this is (e.g. Take away, change unknown)

1. There are 16 flowers. Some are red and 11 are blue. How many flowers are red?



16 − □ = 11 5 red flowers

Brief Reflection:
How did today's activities impact your understanding of addition and subtraction story problems? Why are structures of addition and subtraction important for *teachers* to understand?

I really liked the activities today because I hadn't ever thought about different ways to write them. It seems like a no-brainer, but in the real world, not everything is going to be laid out in an equation of the same order, so teachers need to prepare their students for that.

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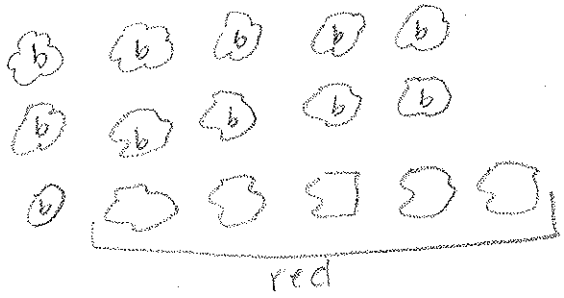
Solve the following problem. Include an equation and a drawing/model. Identify what type of problem this is (e.g. Take away, change unknown)

1. There are 16 flowers. Some are red and 11 are blue. How many flowers are red?

$16 = \square + 11$



5 blue flowers → take apart? 1 part or change unknown?

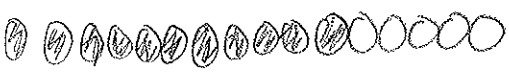
Brief Reflection:
How did today's activities impact your understanding of addition and subtraction story problems? Why are structures of addition and subtraction important for *teachers* to understand?

There was a lot more to it than I initially thought. I had to really think deeper about the story problems + not just solve them in my head. We have to deeply understand the meanings + differences in order to communicate that to our students to help them fully grasp how to solve all kinds of story problems + they understand the meaning behind it.

Solve the following problem. Include an equation and a drawing/model. Identify what type of problem this is (e.g. Take away, change unknown)

1. There are 16 flowers. Some are red and 11 are blue. How many flowers are red?

16 - 11 = 5 red flowers



= blue = red

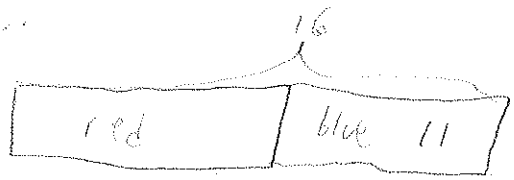
Brief Reflection:
How did today's activities impact your understanding of addition and subtraction story problems? Why are structures of addition and subtraction important for *teachers* to understand?

Today activities helped me to understand that there are a lot of different ways you can solve a problem. Also, students might see a problem a certain way that might not be correct. If the teacher doesn't know how to see the different ways then it will be hard to explain to their students how to work problems.

Solve the following problem. Include an equation and a drawing/model. Identify what type of problem this is (e.g. Take away, change unknown)

1. There are 16 flowers. Some are red and 11 are blue. How many flowers are red?

$$\begin{array}{r} 16 \\ -11 \\ \hline 5 \end{array}$$



Comparison, part unknown 5 blue

Brief Reflection:
How did today's activities impact your understanding of addition and subtraction story problems? Why are structures of addition and subtraction important for *teachers* to understand?

I always noticed that there were different types of problems. As a kid I thought they did that just to trick me. I know know that is important for teachers to understand that and teach students each strategy (not the names of course) but how to solve it.

Solve the following problem. Include an equation and a drawing/model. Identify what type of problem this is (e.g. Take away, change unknown)

1. There are 16 flowers. Some are red and 11 are blue. How many flowers are red?

$16 = 11 + \boxed{5}$

$16 - 11 = \boxed{5}$

(5)

put-together/take apart/
part-part-whole

Brief Reflection:
How did today's activities impact your understanding of addition and subtraction story problems? Why are structures of addition and subtraction important for *teachers* to understand?

After today I learned that there is a lot to creating story problems. I also learned that wording is a very important part of the problems. In order for teachers to explain these problems to their students, they need to understand the different parts.

Solve the following problem. Include an equation and a drawing/model. Identify what type of problem this is (e.g. Take away, change unknown)

1. There are 16 flowers. Some are red and 11 are blue. How many flowers are red?

Take apart. One Part Unknown.

$\square + 11 = 16$

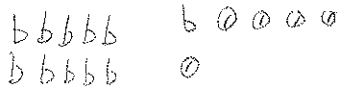
Brief Reflection:
How did today's activities impact your understanding of addition and subtraction story problems? Why are structures of addition and subtraction important for *teachers* to understand?

I hadn't realized how many types of word problems there are. Giving kids different problems helps them to think in new ways and better understand the problem instead of looking for two numbers and key words, ("fewer")

Solve the following problem. Include an equation and a drawing/model. Identify what type of problem this is (e.g. Take away, change unknown)

1. There are 16 flowers. Some are red and 11 are blue. How many flowers are red?

$16 = \square + 11$



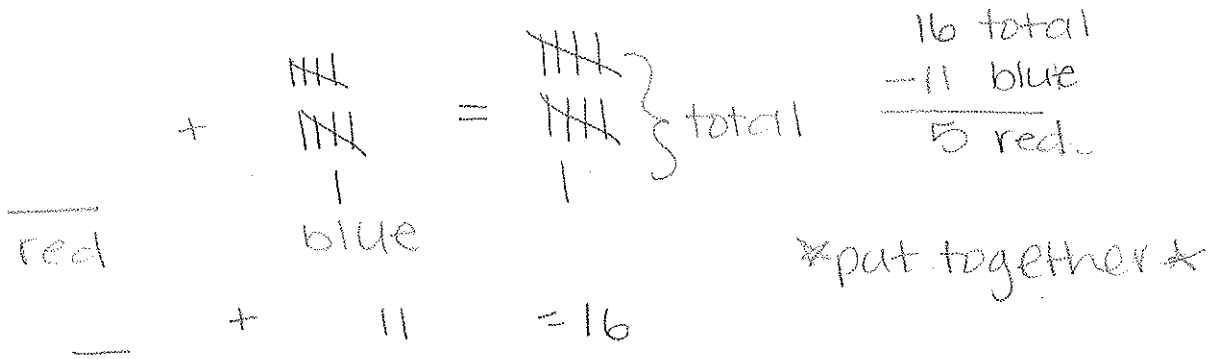
5 red flowers

Brief Reflection:
How did today's activities impact your understanding of addition and subtraction story problems? Why are structures of addition and subtraction important for *teachers* to understand?

Today's activities have helped reinforce the different types of addition and subtraction problems. These structures are important to teachers to understand so they can help their students learn multiple strategies to solve problems. They are also important for assessment of students, so that teachers can better understand where students may struggle.

Solve the following problem. Include an equation and a drawing/model. Identify what type of problem this is (e.g. Take away, change unknown)

1. There are 16 flowers. Some are red and 11 are blue. How many flowers are red?



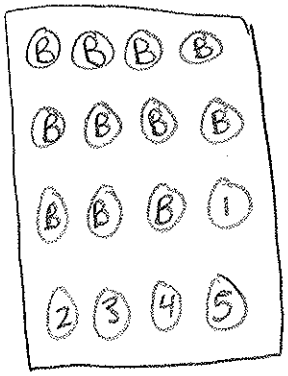
Brief Reflection:
How did today's activities impact your understanding of addition and subtraction story problems? Why are structures of addition and subtraction important for *teachers* to understand?

* I realized there are many different typrs of word problems!

* We can't teach them well until we understand them well!

Solve the following problem. Include an equation and a drawing/model. Identify what type of problem this is (e.g. Take away, change unknown)

1. There are 16 flowers. Some are red and 11 are blue. How many flowers are red?



$16 - 11 = \square$

$\square + 11 = 16$

$16 = 11 + \square$

5 red flowers

Put together, addend unkn.

Brief Reflection:
How did today's activities impact your understanding of addition and subtraction story problems? Why are structures of addition and subtraction important for *teachers* to understand?

It helped me understand that there's many different ways to calculate a problem. Such as different ways to write an equation:

$x \overset{(+)}{-} y = \square$

$\square \overset{(+)}{-} y = z$

$x \overset{(+)}{} \square = z$

It's important for teachers to understand different strategies that children may use.

Solve the following problem. Include an equation and a drawing/model. Identify what type of problem this is (e.g. Take away, change unknown)

1. There are 16 flowers. Some are red and 11 are blue. How many flowers are red?

$16 = \square + 11$

5 flowers are red

Put together / take apart addend unknown

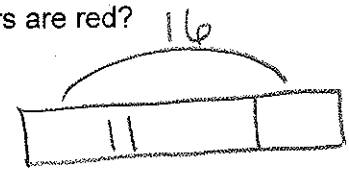
Brief Reflection:
How did today's activities impact your understanding of addition and subtraction story problems? Why are structures of addition and subtraction important for *teachers* to understand?

Today showed me the different types of addition and subtraction problems. Teachers should know this to better help students understand how to write problems.

Solve the following problem. Include an equation and a drawing/model. Identify what type of problem this is (e.g. Take away, change unknown)

1. There are (16) flowers. [Some] are red and (11) are blue. How many flowers are red?

$16 - \boxed{5} = 11$



Put together / Take apart, addend unknown

Brief Reflection:

How did today's activities impact your understanding of addition and subtraction story problems? Why are structures of addition and subtraction important for *teachers* to understand?

It demonstrated the difficultly of knowing all the different types of story problems. If a teacher doesn't understand, then how are they going to be able to teach students? Since there are so many to solve problems, teachers need to be flexible with students' answers.

Solve the following problem. Include an equation and a drawing/model. Identify what type of problem this is (e.g. Take away, change unknown)

1. There are 16 flowers. Some are red and 11 are blue. How many flowers are red?

$16 - 11 = \boxed{5}$ 5 red flowers

$11 + \boxed{5} = 16$

Part-Part-Whole Problem → One part unknown

Brief Reflection:
How did today's activities impact your understanding of addition and subtraction story problems? Why are structures of addition and subtraction important for *teachers* to understand?

I have thought about addition and subtraction problems, but not necessarily the affect of missing the result, one part, and both parts. It's important to understand the structure so we can see how students are forming various equations.

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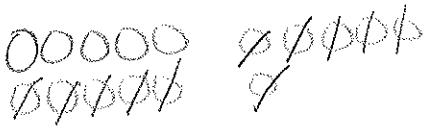
Solve the following problem. Include an equation and a drawing/model. Identify what type of problem this is (e.g. Take away, change unknown)

1. There are 16 flowers. Some are red and 11 are blue. How many flowers are red?

$16 = \square + 11$ $16 - 11 = \square$



put together, addends unknown

Brief Reflection:
How did today's activities impact your understanding of addition and subtraction story problems? Why are structures of addition and subtraction important for *teachers* to understand?

I never realized how many different types of story problems there were. They are important to understand as educators because we must be able to teach our students all these different ways to solve story problems and to understand the problems better w/ the language that is used