Name: _____ Date _____

Decomposing Numbers Guided Lesson Explanation

Answering #1: The first thing we want to do is determine the number of total objects. To do this we just count all of the objects.

1 2 3 4

The total is 4. That means that answer is either “a” or “b” because they both equal 4. Now we need to find the number of different parts that were used to make 4. The triangles are different by color. We will count the number of gray and white triangles to determine this.

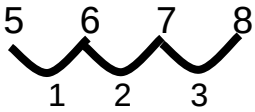
1 1 2 3

The parts lead us to: 1 + 3 = 4 (The answer is b)

Answering #2: We use counting to add these two numbers. We start with the first number and count up the number of places by the second number. For example, 5 + 3

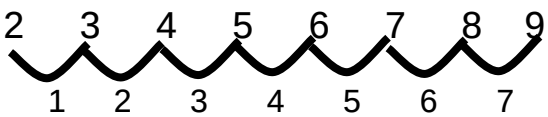
5 + 3

Starting Number Number of Places to Count Up



5 + 3 = 8

We continue with this method through all the choices. We will find b to be our answer: 2 + 7 = 9



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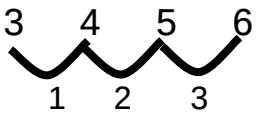
Answering #3: We have to make an addition sentence that creates the number six. That means that we need two numbers that add up to equal 6.

We have many choices. We just have to first choose any number that is smaller than 6. It could be 0, 1, 2, 3, 4, or 5

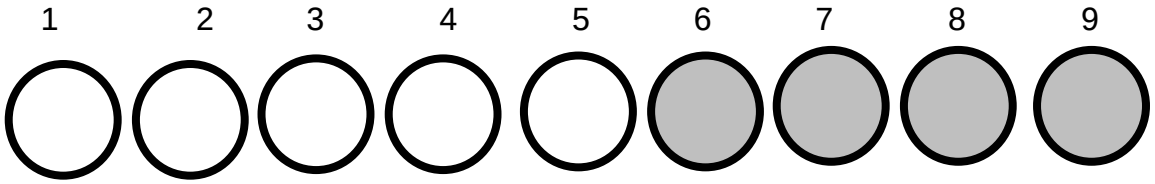
Let's say we just chose to use 3. We just need to figure out how to make 6 from 3. We could just count up until we hit 6.



It took us 3 steps to reach 6. So that means that our addition sentence would be.

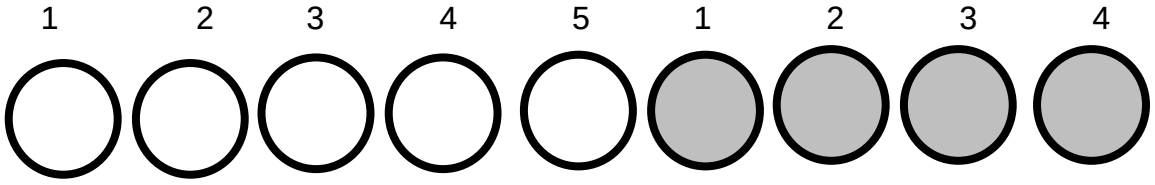
3 + 3 = 6

Answering #4: The first thing we need to do is find the total number of shapes that will tell us what our addition sentence will equal or end in.



That means that our problem will end in = 9

We need to figure out the two parts that add together to make this total. Now look for differences between the circles. I see color as one major difference. Some circles are white and others are gray. Now count how many different parts there are.



We have two parts 5 and 4. When we put it all together we get:

5 + 4 = 9 (There is our addition sentence)