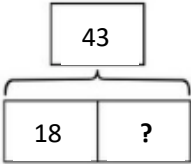
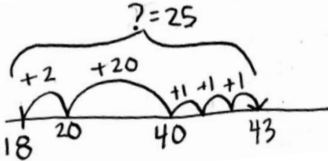
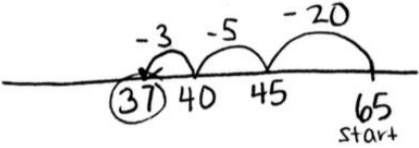
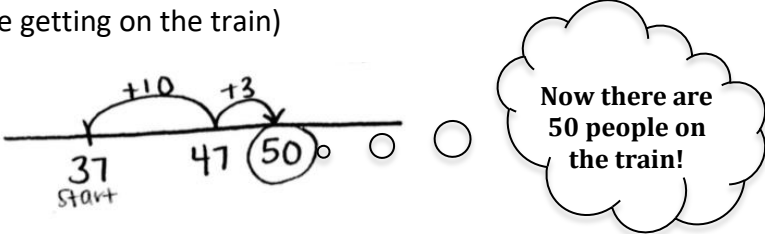


Problem Solving Within 100 Parent Unit Summary

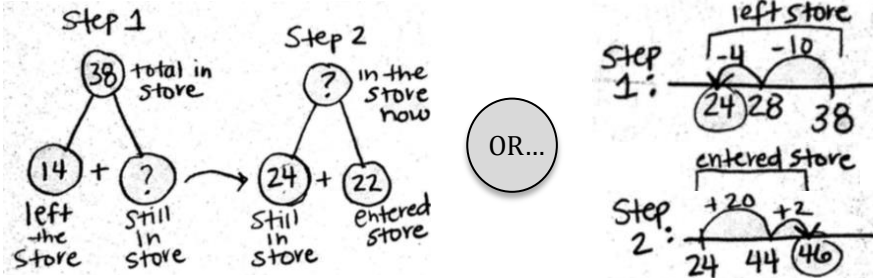
<p style="text-align: center;">Overarching Student Learning Goals</p> <p style="text-align: center;">In this unit, your child will work to build an understanding of the following:</p>	<p style="text-align: center;">Resources/Tasks to support your child at home.</p>
<p>Developing and justifying place value strategies for solving one and two-step problems.</p> <p><u>One step problem:</u> Riley has 18 snails in a bucket. He finds more. Now he has 43 snails. How many more snails did Riley find?</p> <p><i>Part-Part-Whole Strategy</i></p>  <p><i>Open Number Line Strategy</i></p>  <p><u>Two-step problem:</u> There are 65 people on a train. At the first stop 28 people get off the train and 13 people get on. How many people are on the train now?</p> <p><i>What is the first step?</i> 28 people get off the train (start at 65 then jump back/subtract to model the 28 people getting off the train)</p>  <p><i>What is the second step?</i> 13 people get on the train (after the first step there are 37 people on the train, so start at 37 and jump forward/add to model the 13 people getting on the train)</p> 	<ul style="list-style-type: none"> • Kahn Academy Video: Adding and Subtracting on Number Line Word Problems https://tinyurl.com/ydyxw4v2 • Kahn Academy Video: Subtraction Word Problem (Tennis Ball) https://tinyurl.com/yd3mkqvw • Kahn Academy Video: Addition Word Problem (Horses) https://tinyurl.com/y8pxkewg • Encourage your child to directly model one and two-step word problems, recording their work using quick pictures, bar models and/or open number lines. • Task: Harry had some stickers. Jenna gave him 15 more stickers. Now Harry has 44 stickers. How many stickers did he have to start with? • Task: Jackie's book has 64 pages. She reads 27 pages in the morning and 18 more pages at night. How many pages does Jackie need to read to finish the book?

Solving one and two-step problems, involving different situations with unknowns in all positions. (Some examples of different situations below.)

One Step - Start Unknown: Maria saved some money to buy a video game. Her dad gave her \$28 more. Then Maria had \$47. How much money did Maria have before her dad gave her some money?

One Step – Change Unknown: 32 cupcakes were on the table. The dog jumped up and knocked some cupcakes off the table. There are 13 cupcakes still on the table. How many did the dog knock off?

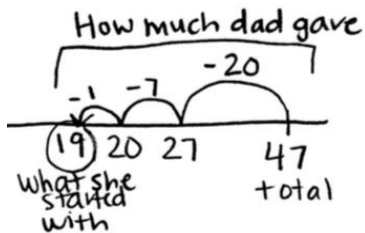
Two-Step: There were 38 people inside the candy store. 14 people paid for their candy and left the store. Then 22 new people entered the store to buy some candy. How many people are in the candy store now?



- Ask your child which operation(s) (addition or subtraction) they will use to solve the word problem and why?
- Ask your child if they think their answer makes sense and why?
- LearnZillion Lesson: Understand a Word Problem <https://tinyurl.com/yb7nunrq>
- LearnZillion: Solving Two-Step Word Problems Using a Model <https://tinyurl.com/osrr3a2>
- Kahn Academy: “Fewer” Word Problem <https://tinyurl.com/ybejup5b>

Representing problems using equations with a symbol for the unknown.

Maria saved some money to buy a video game. Her dad gave her \$28 more. Then Maria had \$47. How much money did Maria have before her dad gave her some money?



$47 - 28 = ?$
Maria's total Dad gave Saved money
OR...
$? + 28 = 47$
Saved money Dad gave Maria's total

- Encourage your child to label the numbers in their equations to help them make sense.
- Ask your child why they chose to add or subtract and how it connects to the actions in the word problem.
- Mathplayground Game: Have your child write equations to solve word problems in game format. <https://tinyurl.com/hcorjqg>