

Name \_\_\_\_\_



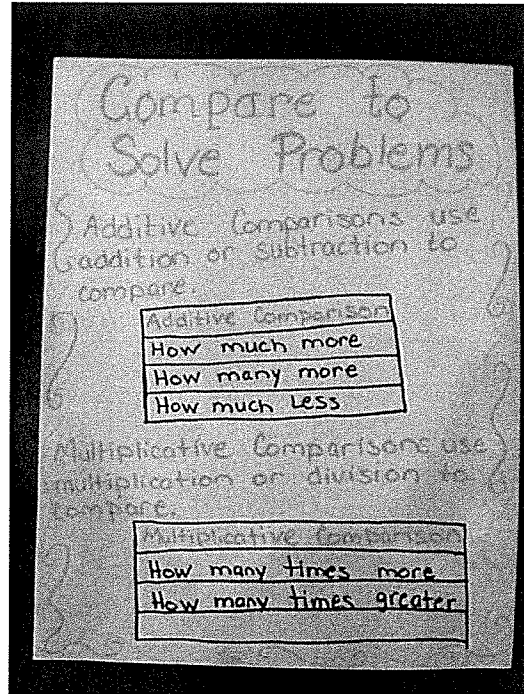
Howard University  
4th Grade Math  
Remote Learning Packet  
October 26-30

Name: \_\_\_\_\_  
BCCSG

October 26, 2020  
4<sup>th</sup> Grade

### Lesson 17

**Learning Target:** I can solve *additive compare* problems modeled with tape diagrams.



## Input

Solve a single-step word problem using *how many fewer*.

1. Sean's school raised \$32,587. Leslie's school raised \$18,749. How much more money did Sean's school raise?

2. At a parade, 97,853 people sat in bleachers. 388,547 people stood along the street. How many fewer people were in the bleachers than standing along the street?

Solve a two-step word problem using *how much more*.

3. A pair of hippos weighs 5,201 kg together. The female weighs 2,038 kg. How much more does the male weigh than the female?

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Solve a three-step problem using *how much longer*.

4. A copper wire was 240 meters long. After 60 meters was cut off, it was double the length of a steel wire. How much longer was the copper wire than the steel wire at first?

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CFU/Exit Ticket (Submit in chat privately)

A mixture of 2 chemicals measures 1,034 milliliters. It contains some of Chemical A and 755 milliliters of Chemical B. How much less of Chemical A than Chemical B is used in the mixture?

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October 27, 2020  
4<sup>th</sup> Grade

### Lesson 18

**Learning Target:** I can solve multi-step word problems modeled with tape diagrams, and assess the reasonableness of answers using rounding.

**Solving Multi-Step Word Problems**

- Envision: read the entire problem and make a picture in your mind
- Deconstruct: go sentence by sentence and ask, "What do I know?" "What do I need to know?"
- Represent: Write/draw what you know with pictures, numbers, models, + labels
- Plan: Think about what you need to find + write your equation
- Solve: Carry out your plan using pictures, numbers, models, and equations
- Check: Is your answer reasonable?

#### Do Now (Solve then submit in chat)

In all, 30,436 people went skiing in February and January. 16,009 went skiing in February. How many fewer people went skiing in January than in February?

## Input

Solve a multi-step word problem requiring addition and subtraction, modeled with a tape diagram, and check the reasonableness of the answer using estimation.

1. In one year a factory used 11,650 meters of cotton, 4,950 fewer meters of silk than cotton, and 3,500 fewer meters of wool than silk. How many meters in all were used of the three fabrics?

Solve a multi-step word problem using a tape diagram, modeled with a tape diagram, and check the reasonableness of the answer using estimation.

2. The shop sold 12,789 chocolate and 9,324 cookie dough cones. It sold 1,078 more peanut butter cones than cookie dough cones and 999 more vanilla cones than chocolate cones. What was the total number of ice cream cones sold?

Solve a multi-step word problem requiring addition and subtraction, modeled with a tape diagram, and check the reasonableness of the answer using estimation.

- 3. In the first week of June, a restaurant sold 10,345 omelets. In the second week, 1,096 fewer omelets were sold than in the first week. In the third week, 2 thousand more omelets were sold than in the first week. In the fourth week, 2 thousand fewer omelets were sold than in the first week. How many omelets were sold in all in June?

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CFU (submit on Google Classroom)

Draw a tape diagram to represent the problem. Use numbers to solve, and write your answer as a *statement*.

Park A covers an area of 4,926 square kilometers. It is 1,845 square kilometers larger than Park B. Park C is 4,006 square kilometers larger than Park A.

- 1) What is the area of all 3 parks?
  
  
  
  
  
  
  
  
  
  
- 2) Is your answer reasonable? How do you know?



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October 28, 2020  
4<sup>th</sup> Grade

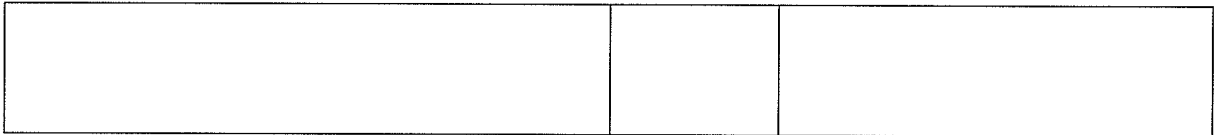
### Lesson 19

**Learning Target:** I can create and solve multi-step word problems from given tape diagrams and equations.

#### Input

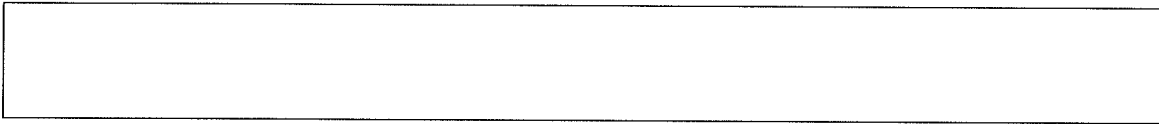
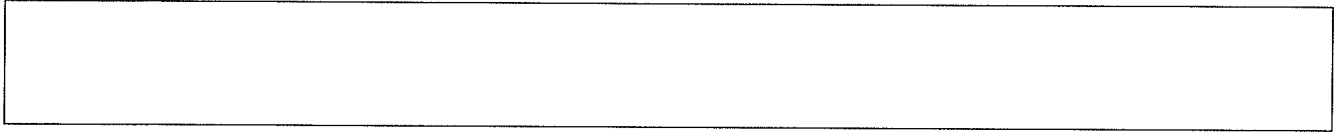
Create and solve a simple two-step word problem from the tape diagram below.

1. Suggested context: people at a football game



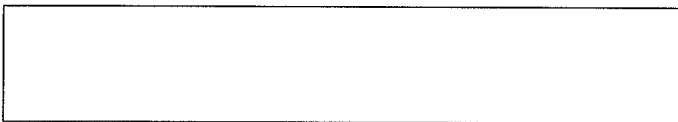
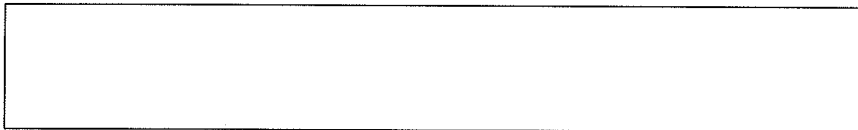
Create and solve a two-step addition word problem from the tape diagram below.

2. Suggested context: cost of two houses



Create and solve a three-step word problem involving addition and subtraction from the tape diagram below.

3. Suggested context: weight in kilograms of 3 different whales



Students use equations to model and solve multi-step word problems.

4.  $5,233 + 3,094 + k = 12,946$

Draw a tape diagram that models this equation

CFU (submit your response in chat):

- 1) Using the equation below, draw a tape diagram and create your own word problem. Then solve for the value of the variable.

$$248,798 = 113,205 + A + 99,937$$

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October 29, 2020  
4<sup>th</sup> Grade

### Test Review

**Learning Target:** I can review my completed work and determine what questions I have.

**Directions:** Ms. Ferguson shared a Google Slides presentation to your Google Classroom account. You will complete the activity by “visiting” each slide and recording your answers. Then we will go over our answers as a class to help us prepare for our Module 1 Assessment!

Name \_\_\_\_\_

# \_\_\_\_\_

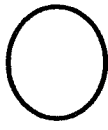
Date \_\_\_\_\_

### Module 1 Orbit Review

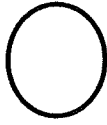
1.


Equation:

2.



224,000



700,600

4.

3.


Equation:

Total:

6.

Expanded Form:

Expanded Form:

Word Form:

Word Form:

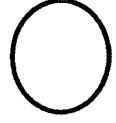
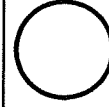
8.

A.

B.

C.

9.



10.

11.

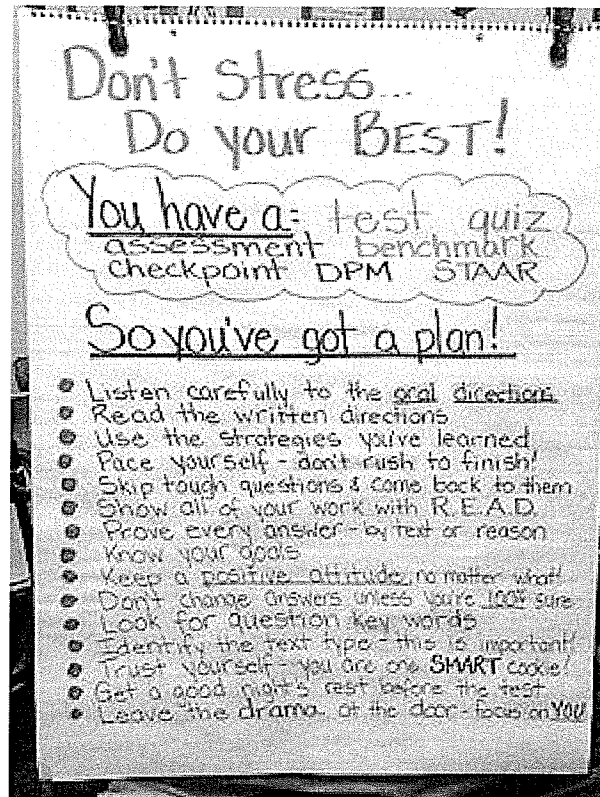
12.

Extra Work Space

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October 30, 2020  
4<sup>th</sup> Grade

### End of Module 1 Assessment



Your assessment is on Google Classroom, however, you also have it in paper copy to help you work out your problems!

Try your best! Focus! You've got this!