

Grade 7

Distance Learning Module 3 Week of April 13<sup>th</sup> – 17<sup>th</sup>

**Content Area: Math 7 - Modified from [Unit #4 - Ratios, Proportions, Percents](#)**

**Targeted Goals from Stage 1: Desired Results**

**Content Knowledge:** Apply and extend what we have learned about percents to determine percent increase/decrease and percent error

**Vocabulary:** percent increase, percent decrease, percent error, profit, mark-up

**Skills:** Find percent increase/decrease using the formula:  $\text{amount of change (difference)}/\text{original} = \%/100$

Find percent error using the formula:  $\text{difference}/\text{actual} = \%/100$

**Expectation:**

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday:  You will learn about percent increase / decrease by watching videos and completing the worksheet. You may complete the problems in your notebook rather than printing out the worksheet. The work is shown for number 1.	Percent Increase and Decrease(video)  Percent Change Video 2 (video)  Percent Change Worksheet(Worksheet) *Ex1 Formula: $\text{Difference} = \%$ Original 100 $92-45 = \%$ 45 100 $47 = \%$ 45 100 104.4%	Complete googleform on googleclass
Tuesday:	Percent Change Article	

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Today you will review a quick article, complete an online quiz, and a googleform on Percent Increase / Decrease	Percent Increase / Decrease Quiz(online quiz) Click the green button that says practice	Fill out the googleform on google classroom NOT HERE  Google Form for Week 3 Tuesday
<p>Wednesday:</p> <p>Today you will determine the percent error of an estimate/guess vs the actual number. Watch the videos and complete the worksheet in your notebook:)</p>	<p>Percent Error(video)</p> <p>Percent Error #2(video)</p> <p>Percent Error Worksheet</p> <p>Worksheet Answers</p> <ol style="list-style-type: none"> <li>1. 10% error</li> <li>2. 7.5% error (rounded)</li> <li>3. 0.4% error (rounded)</li> <li>4. 0.7% error (rounded)</li> <li>5. 0.8% error (rounded)</li> <li>6. The 0.59 estimate had a greater error</li> </ol>	complete the googleform assigned by your teacher on googleclass
<p>Thursday:</p> <p>Today you will watch a video clip of “The Price is Right” and calculate the percent error in the contestant’s guesses. Then you will complete a google form!</p>	<p>Price is Right Video Clip Watch for 2 minutes</p> <p>Here are the guesses from the contestants</p> <p>Contestant 1: \$1700 Contestant 2: \$2148</p> <p>Contestant 3: \$1800 Contestant 4: 1500</p>	Google Form for Week 3 Thursday

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
	<p>The actual price of the Scooter is \$2148</p> <p>Your task is to calculate the Percent Error for each contestant. Share your answers in the Google Form that is posted on Googleclassroom!</p>	
<p>Friday:</p> <p>Today you will spend 20 minutes reviewing the concepts covered this week. Then you will complete the google form on googleclassroom.</p>	<p>Percent Review Activities</p> <p>Rags to Riches (Percent + -) Worksheet with Answers Percent Increase/Decrease Video Percent Error Quiz (click on Solo Practice) Percent Error Article Simple Percent Game</p>	<p>Google Form for Week 3 Friday</p>

**Week criteria for success** (attach student checklists or rubrics):

\_\_\_ I can determine whether a change in value is an increase or decrease

\_\_\_ I can find the percent increase or decrease between two amounts

\_\_\_ I can find the percent error between two amounts

\_\_\_ I can explain how percent increase/decrease and percent error are alike and different

**Supportive resources and tutorials for the week** (plans for re-teaching):

1. Students can email teacher to ask clarifying questions
2. Videos can be re-watched to deepen understanding

3. Teacher will review google forms submitted by students