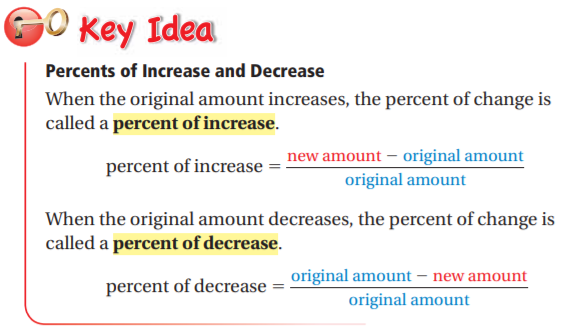
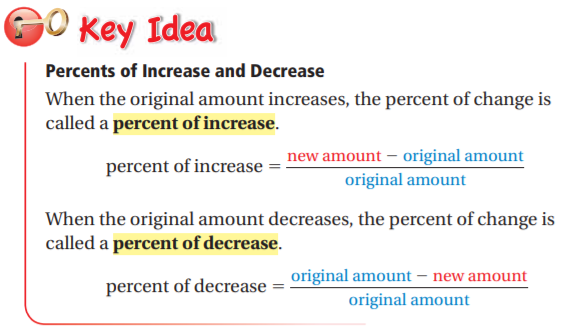
Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table #: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_ Date: \_\_\_\_\_\_\_

**6.5A Percent Increase and Decrease\_Classwork**

*Objective: find percents of increase; find percent of decrease. CC.SS.7.RP.3*

*HW: 6.5A pg 244\_#8-17 ALL*

|  |  |  |  |
| --- | --- | --- | --- |
| WARM-UP   |  |  |  | | --- | --- | --- | | 1. Solve for x: | 1. What is 40% of 150? | 1. Convert 3.14 as fraction and percent. | |

|  |  |
| --- | --- |
| **EXAMPLE 1: Finding a Percent of Increase**  The table shows the numbers of hours you spend online last weekend. What is the percent of change in your online time from Saturday to Sunday? | **EXAMPLE 2: Finding a Percent of Decrease**  The bar graph shows a softball player’s home run totals. What was the percent of change from 2012 to 2013? Round to the nearest hundredth. |

Decide whether the change is an increase or decrease and find the percent using the formula:

|  |  |  |
| --- | --- | --- |
| 1. Before: 10; After: 12 | 1. Before: 15; After: 12 | 1. Before: 75; After: 60 |

Round to the nearest hundredth if possible.

|  |  |  |
| --- | --- | --- |
| 1. Before: 110; After: 143 | 1. Before: 90; After: 200 | 1. Before 260; After: 160 |
| 1. 1994 cost: $171.33;   1995 cost: $201.59 | 1. Regular Price: $31.99;   Sale Price: $22.39 | 1. Start Price: $521.73;   End Price: $413.68 |
| 1. 2004 cost: $18.77;   2005 cost: $19.17 | 1. Original Number: 45;   New Number: 72 | 1. Original Number: 45;   New Number: 18 |