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| Objective: I can solve word problems involving similar triangles. |
| 1. Dan and his brother form a large triangle with a flagpole and two boards. The flagpole is 6 ½ ft tall and the pole is 8 ¾ ft tall. If they wanted to build a smaller model with height 2 ¼ ft, how long would the other pole be? |
| **First try:** | **Second Try:** |
| Objective: I can solve word problems involving similar triangles. |
| 2. One triangle has side lengths of 5 ft, 6ft, and 8ft. What would be the side lengths of a similar triangle with a scale factor of 2 1/2 ? |
| **First try:** | **Second Try:** |
| Objective: I can calculate and interpret the measures of variance and measures of central tendency of a set of data. |
| 3. The following data set represents the number of text messages sent per day from Liz’s cell phone.**{ 29, 40, 34, 27, 38, 39, 38 }**What is the average number of text messages sent per day? The lower quartile? |
| **First try:** | **Second Try:** |
| Objective: I can solve word problems that involve operations with integers. |
| 4. The temperature on Monday was 45 degrees at 8 am. The temperate dropped 3 degrees per hour for the next 6 hours. What was the temperature at 2 pm? |
| **First try:** | **Second Try:** |
| Objective: I can express the ratio between two quantities as a percent, and a percent as a ratio or fraction. |
| 5. Four students in Mrs. Brown's class are wearing jeans today and 3 were wearing dresses.To the nearest whole number, what is the percent of students wearing jeans?  |
| **First try:** | **Second Try:** |
| Objective: I can calculate and interpret the measures of variance and measures of central tendency of a set of data. |
| 6. A. What is the median of this data set?B. What is the interquartile range of the data set?C. What percent of data can be described between 80 and 95? |
| **First Try:****A.****B.****C.** | **Second Try:** |