

PROBLEM-OF-THE-DAY: ALGEBRA 1

WEEK: November 12 to November 16

DAY: Tuesday

RISD Objective: Given a word problem that reflects the increase or decrease of something, students will determine the percent of increase or decrease.

PROBLEM #59

Shonn bought a radio on sale for \$70. If the original price was \$99.99, what is the percent of discount? Explain your work.

MODEL SOLUTION #59

$$\text{Percent of change} = \frac{\text{change_in_number_of_price}}{\text{original_number_of_price}}$$

$$\text{Percent of change} = \frac{99.99 - 70}{99.99} = \frac{29.99}{99.99} = 0.30 = 30\%$$

The percent of discount is 30%.