Fractions Decimals and Percentages Review

Common Conversions:

Use the Quizlet to memorize common conversions. Write the decimal and percentage equivalent for each.

$\dfrac{1}{2}$ $\dfrac{1}{4}$ $\dfrac{1}{5}$ $\dfrac{1}{3}$

$\dfrac{3}{4}$ $\dfrac{2}{3}$ $\dfrac{1}{8}$ $\dfrac{2}{5}$

$\dfrac{3}{8}$ $\dfrac{3}{5}$ $\dfrac{7}{8}$ $\dfrac{4}{5}$

Write each fraction as a decimal and percent.

$\dfrac{3}{10}$ $\dfrac{23}{100}$ $\dfrac{7}{20}$ $4\dfrac{19}{25}$

Write each fraction as a decimal and percent. Round to the nearest hundredth if necessary.

$\dfrac{3}{7}$ $\dfrac{1}{9}$ $3\dfrac{5}{6}$ $2\dfrac{1}{12}$

Write each decimal as a percent and fraction. Simplify if possible.

0.4 0.35 0.06 3.45 2.034

Write each percent as a decimal and fraction. Simplify if possible.

2% 67% 40.2% 123% $4\dfrac{4}{5}\%$

Solve each.

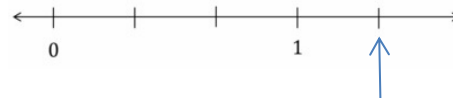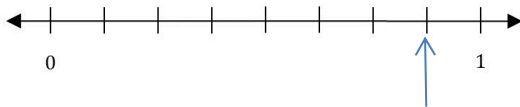25% of 96   37% of 236   125% of 29.4

Anna wants to buy a bike for $236. She has a coupon for 15% off. What is the sale price?

A family goes to The Olive Garden for dinner. The bill comes to $96.40. They decide to leave a 20% tip. What will be the final cost of the meal with tip?

Write the fraction, decimal, and percent equivalent for the value on the number line.

Sarah scored an 81% on her test. Anna received earned a 17 out of 20 on her test. Jeremy scored 5/6 on his test.

Which student earned the highest score? Which student earned the lowest score?

Use the number line to answer the following.

20% of the students in the school are one of the school soccer teams. There are 45 students on one of the school soccer teams. How many students are in the school?

30% of Timmy's income is spent on food. If he earned $420 last month, how much was spent on food?