Master 3.27

Extra Practice 7

Lesson 3.7: Relating Fractions, Decimals, and Percents

1. Write each fraction as a decimal and a percent.

a) $\frac{21}{35}$ **b)** $\frac{14}{20}$ **c)** $\frac{28}{56}$ **d)** $\frac{12}{16}$ **e)** $\frac{18}{200}$

f) $\frac{19}{20}$ **g)** $\frac{16}{25}$ **h)** $\frac{32}{40}$ **i)** $\frac{9}{50}$ **j)** $\frac{9}{10}$

2. Ruth's test scores were: $\frac{17}{20}$, $\frac{21}{28}$, and $\frac{40}{50}$.

Write each test score as a percent.

Order the test scores from greatest to least.

Which was Ruth's best test? How do you know?

3. Write each percent as a fraction and a decimal.
Sketch number lines to show how the numbers are related.

a) 18% **b)** 37% **c)** 86% **d)** 99%

4. In 5 min, Benjamin completed 27 of 30 multiple-choice questions.
Madison completed 83% of the questions.
Who completed more questions?
How do you know?

5. Barney created a design on a grid.

He coloured $\frac{1}{8}$ of the grid red.

He coloured 0.375 of the grid green.
He coloured 40% of the grid blue.
He coloured the rest of the grid purple.
What percent of the grid is purple?
How do you know?