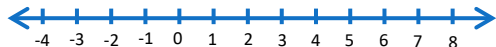


Warmup

1. Solve, check, and graph
 $g + 2.5 \geq 9.5$



2. Find the missing numerator.

$$\frac{7}{8} = \frac{28}{\quad}$$

3. Fill in the missing measurements

___ ounces = 1 cup

___ quarts = 1 gallon

___ inches = 1 foot

___ feet = 1 mile

___ seconds = 1 minute

- I. Proportions
- II. Find missing Values in a Proportion

Homeschool



Honor Roll

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Pre-Algebra and Geometry I

Wendy Harper

www.HsHonorRoll.com

I. Proportions

$$\frac{1}{2} = \frac{4}{8}$$

Proportion: Two equivalent ratios can be written as a proportion

$$\text{If } \frac{a}{b} = \frac{c}{d}, \text{ then } ad = bc$$

The cross products of a proportion are equal

Determine if each pair of ratios are equal (=) or not equal ($\neq$).

$$\frac{4}{6} \quad \frac{3}{8}$$

$$\frac{8}{11} \quad \frac{24}{33}$$

4.

$$\frac{10}{8} \quad \frac{8}{10}$$

5.

$$\frac{3}{4} \quad \frac{7.5}{10}$$

II. Find missing Values in a Proportion

$$\frac{p}{3} = \frac{4}{6}$$

To find a missing value of a proportion

1. Set the cross products equal
2. Solve for the variable
3. Check to see if it makes a proportion

Solve for each variable to make a proportion.

$$\frac{t}{9} = \frac{36}{81}$$

$$\frac{3}{m} = \frac{12}{20}$$

$$\frac{7}{4} = \frac{14}{s}$$

$$\frac{3.5}{7} = \frac{b}{24}$$

6.

$$\frac{y}{8} = \frac{36}{24}$$

7.

$$\frac{5}{w} = \frac{5.5}{11}$$

[illegible]