Alg 1 2.6

Compare ratios Solve proportions

ratio proportion cross-products scale scale model

.

Solve each proportion. If necessary, round to the nearest hundredth.

15.
$$\frac{3}{8} = \frac{15}{a}$$

16.
$$\frac{t}{2} = \frac{6}{12}$$

17.
$$\frac{4}{9} = \frac{13}{q}$$

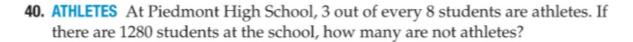
ICE WS due end of class

27.
$$\frac{x-3}{5} = \frac{6}{10}$$

28.
$$\frac{7}{x+9} = \frac{21}{36}$$

29.
$$\frac{10}{15} = \frac{4}{x-5}$$

- 32. PRECISION An artist used interlocking building blocks to build a scale model of Kennedy Space Center, Florida. In the model, 1 inch equals 1.67 feet of an actual space shuttle. The model is 110.3 inches tall. How tall is the actual space shuttle? Round to the nearest tenth.
- 33. MENU On Monday, a restaurant made \$545 from selling 110 hamburgers. If they sold 53 hamburgers on Tuesday, how much did they make?



41. BRACES Two out of five students in the ninth grade have braces. If there are 325 students in the ninth grade, how many have braces?

