

Comparing Ratios Exit Quiz

Part 1: Tell which ratio is greater by cross multiplying.

1. 13:14 and 15:16

Part 2: Tell which ratio is greater by changing the ratios into similar fractions.

1. 9:5 and 8:7

Part 3: Tell which ratio is greater by expressing each ratio as a unit rate.

1. 15:8 and 13:11

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Part 4: Which among the two burger joints offer is better?

Burger Joint A: \$75 for 15 cheeseburgers.

Burger Joint B: \$90 for 17 cheeseburgers

Burger Joint A: $\$75/15 = \5 per burger

Burger Joint B: $\$90/17 = \5.30 per burger

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 Exit Quiz

Answers:

Part 1: Tell which ratio is greater by cross multiplying.

1. 13:14 and 15:16

Solution:

$$\begin{array}{r} \frac{13}{14} \quad \frac{15}{16} \\ (13)(16) \quad (14)(15) \\ 208 > 210 \end{array}$$

15:16 is greater than 13:14

Part 2: Tell which ratio is greater by changing the ratios into similar fractions.

1. 9:5 and 8:7

Solution:

$$\begin{array}{r} \frac{9}{5} \longrightarrow \frac{63}{35} \\ \frac{8}{7} \longrightarrow \frac{40}{35} \end{array}$$

9:5 is greater than 8:7

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Part 3: Tell which ratio is greater by expressing each ratio as a unit rate.

1. 15:8 and 13:11

Solution:

$$\begin{array}{l} 15:8 \longrightarrow \frac{15 \div 8}{8 \div 8} \longrightarrow \frac{15 \div 8}{1} \longrightarrow \frac{1.875}{1} = 1.875 \\ 13:11 \longrightarrow \frac{13 \div 11}{3 \div 3} \longrightarrow \frac{13 \div 11}{1} \longrightarrow \frac{1.18}{1} = 1.18 \end{array}$$

13:11 is greater than 15:8

Part 4: Which among the two burger joints offer is better?

Burger Joint A: \$75 for 15 cheeseburgers.

Burger Joint B: \$90 for 17 cheeseburgers

Burger Joint A: $\$75/15 = \5 per burger

Burger Joint B: $\$90/17 = \5.30 per burger

Burger Joint A is better than Burger Joint B.