**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

**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

**Answers:**

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

1. 13:14 and 15:16

Solution:

$\frac{13 }{14}$$ \frac{15}{16}$

 (13)(16) (14)(15)

 208 > 210

 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:

 $\frac{9 }{5}$$\frac{63 }{35}$

$\frac{8}{7}$$\frac{40}{35}$

9:5 is greater than 8:7

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

1. 15:8 and 13:11

Solution:

 15:18 $\frac{15÷18}{18÷18}$ $\frac{15÷18}{1}$ $\frac{0.83}{1}=0.83$

 13:11 $\frac{13÷11}{3÷3}$ $\frac{13÷11}{1}$ $\frac{1.18}{1}=1.18$

 13:11 is greater than 15:18

**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.