### Practice Questions

**MULTIPLE CHOICE.** Choose the one alternative that best completes the statement or answers the question.

Find fractional notation for the ratio. You need not simplify.

1) 401 to 421
   - A) \( \frac{401}{421} \)
   - B) \( \frac{20}{421} \)
   - C) \( \frac{421}{401} \)
   - D) \( \frac{421}{20} \)

2) 4.2 to 42
   - A) \( \frac{42}{4.2} \)
   - B) \( \frac{46.2}{42} \)
   - C) \( \frac{42}{46.2} \)
   - D) \( \frac{4.2}{42} \)

3) 0.5 to 0.9
   - A) \( \frac{0.5}{0.9} \)
   - B) \( \frac{0.4}{0.9} \)
   - C) \( \frac{0.9}{0.5} \)
   - D) \( \frac{0.9}{0.4} \)

4) 494.8 to 381.4
   - A) \( \frac{381.4}{494.8} \)
   - B) \( \frac{876.2}{381.4} \)
   - C) \( \frac{494.8}{381.4} \)
   - D) \( \frac{381.4}{876.2} \)

5) \( 3 \frac{1}{2} \) to \( 2 \frac{2}{8} \)
   - A) \( \frac{3}{2} \)
   - B) \( \frac{2}{7} \)
   - C) \( \frac{2 \frac{7}{8}}{2} \)
   - D) \( \frac{3 \frac{1}{2}}{2 \frac{2}{8}} \)

6) A baseball team has played 7 games so far this season. The team won 4 games. What is the ratio of games won to games played so far?
   - A) \( \frac{7}{4} \)
   - B) \( \frac{4}{11} \)
   - C) \( \frac{4}{7} \)
   - D) \( \frac{11}{4} \)

7) In a three-point shooting contest, a basketball player attempted 15 shots and made 13 of them. What is the ratio of shots made to shots attempted?
   - A) \( \frac{2}{15} \)
   - B) \( \frac{15}{2} \)
   - C) \( \frac{13}{15} \)
   - D) \( \frac{15}{13} \)

8) Of a family’s $878 weekly income, $88 usually goes toward groceries. What is the ratio of the amount spent on groceries to weekly income?
   - A) \( \frac{878}{88} \)
   - B) \( \frac{790}{88} \)
   - C) \( \frac{88}{790} \)
   - D) \( \frac{88}{878} \)

9) At an advertising agency that employs 253 people, 108 employees receive 2 weeks of paid vacation each year. Find the ratio of those who receive 2 weeks of paid vacation to those whose paid vacation is not 2 weeks.
   - A) \( \frac{253}{145} \)
   - B) \( \frac{108}{145} \)
   - C) \( \frac{145}{108} \)
   - D) \( \frac{145}{253} \)
10) In this rectangle, find the ratios of length to width and of width to length.

\[
\begin{array}{c|c|c|c}
 & 103.9 & 62.3 & 62.3 \\
\hline
A) & \frac{103.9}{62.3} & \frac{62.3}{166.2} & \frac{62.3}{166.2} \\
B) & \frac{62.3}{103.9} & \frac{103.9}{62.3} & \frac{103.9}{62.3} \\
C) & \frac{62.3}{166.2} & \frac{103.9}{62.3} & \frac{103.9}{62.3} \\
D) & \frac{62.3}{103.9} & \frac{103.9}{62.3} & \frac{103.9}{62.3}
\end{array}
\]

Simplify the ratio.

11) 5 to 13
   A) \frac{5}{13}  
   B) \frac{13}{5}  
   C) \frac{15}{39}  
   D) \frac{1}{13}

12) 4 to 22
   A) \frac{4}{11}  
   B) \frac{4}{22}  
   C) \frac{2}{11}  
   D) \frac{2}{22}

13) 88 miles to 120 miles
   A) \frac{11}{120}  
   B) \frac{11}{15}  
   C) \frac{88}{120}  
   D) 8

14) 0.42 to 0.21
   A) \frac{0.06}{3}  
   B) 2  
   C) \frac{42}{21}  
   D) \frac{6}{21}
Answer Key
Testname: UNTITLED1

1) A  
2) D  
3) A  
4) C  
5) D  
6) C  
7) C  
8) D  
9) B  
10) D  
11) A  
12) C  
13) B  
14) B