

**6.RP.1 Study Guide**

1.  **Use pencil and paper to answer the question.**

Write each ratio as a fraction in simplest form.

a. 12 to 22 \_\_\_\_\_

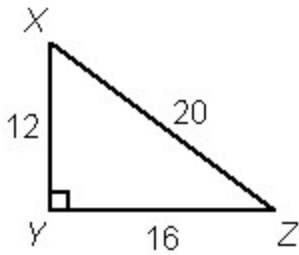
b. 28 out of 56 \_\_\_\_\_

c. 24 girls to 45 boys \_\_\_\_\_

d. 75 pages in 3 hours \_\_\_\_\_

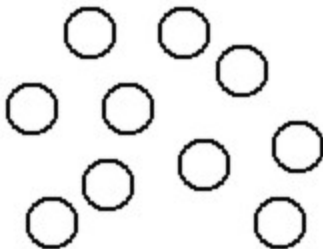
2.  **Use pencil and paper to answer the question.**

Express the length of  $\overline{XY}$  to the length of  $\overline{XZ}$  as a simplified fraction.



3.  **Use pencil and paper to answer the question.**

Shade  $\frac{3}{5}$  of the circles below.



What is the ratio of unshaded circles to shaded circles? \_\_\_\_\_

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4.  **Use pencil and paper to answer the question.**

Write each ratio as a fraction in simplest form.

a. 12 to 10 \_\_\_\_\_

b. 82 out of 84 \_\_\_\_\_

c. 24 boys to 30 girls \_\_\_\_\_

d. \$90 in 6 hours \_\_\_\_\_

5.  **Use pencil and paper to answer the question.**

Write each ratio as a fraction in simplest form.

a. 12 to 9 \_\_\_\_\_

b. 62 out of 90 \_\_\_\_\_

c. 40 wins to 75 losses \_\_\_\_\_

d. 280 miles in 8 hours \_\_\_\_\_

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**Answer Key**

1. **a.**  $\frac{6}{11}$

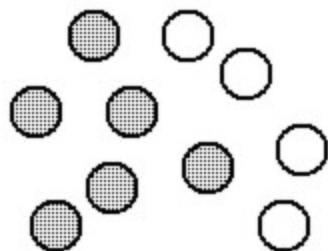
**b.**  $\frac{1}{2}$

**c.**  $\frac{8 \text{ girls}}{15 \text{ boys}}$

**d.**  $\frac{25 \text{ pages}}{1 \text{ hour}}$

2.  $\frac{3}{5}$

3. Sample answer:



4:6

4. **a.**  $\frac{6}{5}$

**b.**  $\frac{41}{42}$

**c.**  $\frac{4 \text{ boys}}{5 \text{ girls}}$

**d.**  $\frac{\$15}{1 \text{ hour}}$

5. **a.**  $\frac{4}{3}$

**b.**  $\frac{31}{45}$

**c.**  $\frac{8 \text{ wins}}{15 \text{ losses}}$

**d.**  $\frac{35 \text{ miles}}{1 \text{ hour}}$