

Name _____



WORD PROBLEMS—COMPARING RATIOS #1



Directions: Compare the ratios in each problem below. Determine which ratio is the greatest and write the correct answer in the space provided. Make sure to show your work and write down all ratios.

- 1) Noah had 4 red marbles and 16 green marbles. Sophia had 2 red marbles and 4 green marbles. Who has the greatest ratio of *red/green marbles*?
 $\frac{4}{16} < \frac{2}{4}$ or $\frac{1}{4} < \frac{1}{2}$ 1) Sophia
- 2) Jacob's class had 8 boys and 10 girls. Olivia's class had 9 boys and 15 girls. Which class has the greatest ratio of *boys/girls*? 2) _____
- 3) For homework, Liam had 2 hours of math and 4 hours of science. Emma had 1 hour of math and 2 hours of science. Who had the greatest ratio of *math/science homework*? 3) _____
- 4) Ethan's cookie recipe uses 3 cups of sugar to make 21 cookies. Mia's recipe uses 4 cups of sugar to make 28 cookies. Which has a greater *sugar/cookie* ratio? 4) _____
- 5) Mason paid \$54 for 9 lbs. of steak, and Isabella paid \$72 for 6 lbs. Which person paid a greater ratio of *dollars/lbs. of steak*? 5) _____
- 6) Michael's class 27 adults and 63 kids on their field trip. Emily's class had 20 adults and 70 kids on their trip. Whose class had a higher ratio of *adults/kids* on their trip? 6) _____
- 7) Alex's school had 20 buses for 400 students. Abbey's school has 225 students riding 15 buses. Whose school has the greater ratio of *students/buses*? 7) _____
- 8) Jay had 5 candy bars and 20 pieces of gum in his Halloween bag. Madison had 9 candy bars and 12 pieces of gum. Who had the greater ratio of *candy/gum*? 8) _____
- 9) William's team won 16 games and lost 4 games. Tracey's team won 15 games and lost 5 games. Whose team had the greater ratio of *wins/losses*? 9) _____
- 10) Steven walked 3 miles and drove 24 miles. Maureen walked 3 miles and drove 18 miles. Who has the greater ratio of *miles walked/miles driven*? 10) _____