

Name: _____ Date: _____ Per: _____ Emoji: _____

1.) A waiting room has 20 seats around the edge of the room and 55 seats in the middle. Of these, 30 seats are taken. Write the ratio of seats taken to empty seats in all three ways.

2.) During a lacrosse season, a team won 12 games and lost 5 games. Write a ratio of wins to games played in all three ways.

3.) For every 400 people surveyed, 163 people said their favorite show is the news. Write this ratio in all three ways.

4.) In an election Gavin got 560 votes, Micah got 326 votes and Jonah got 1 vote. Write the ratio of Gavin's votes to total votes in all 3 ways.

Tell whether the ratios in each pair are equivalent. Show your answer by simplifying:

5.) $\frac{35}{50}$ and $\frac{7}{5}$	6.) $\frac{9}{10}$ and $\frac{180}{200}$
7.) 8:4 and 36:20	8.) 6 to 4 and 12 to 10
9.) 12 to 60 and 100 to 500	10.) 32:72 and 90:40

Express each as a unit rate. Show your work by setting up rates for 11-14 below:

11.) 90 km in 6 hours	12.) \$56 for 8 books
13.) \$32 for 4 tickets	14.) \$75 for 5 hours

15.) Jade drove to her friend's house, which is 704 miles away. If it took her 4 hours, what was her average speed?

16.) Eight gallons of gasoline cost \$64.00. What is the price per gallon?

17.) What is the better buy? 6 shirts for \$54.00 - 4 shirts for \$32.00 - 5 shirts for \$25.00

18.) Garrett wants to enter a typing contest. In order to enter, one has to be able to type 50 words per minute. Garrett took 15 seconds to type 20 words. Can he enter the contest?