

Name : \_\_\_\_\_

Topic: Math – Fractions and Ratio

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**DIRECTIONS:** Simplify the following ratios.

a)  $8 : 14 =$  \_\_\_\_\_

d)  $25 : 50 : 65 =$  \_\_\_\_\_

b)  $11 : 66 =$  \_\_\_\_\_

e)  $\frac{15}{21} =$  \_\_\_\_\_

c)  $\frac{48}{24} =$  \_\_\_\_\_

f)  $\frac{40}{48} =$  \_\_\_\_\_

**DIRECTIONS:** Complete the following statements. Write your answers in simplest form.

- 1) The ratio of marbles that Andrew, Gavin and Ethan have is 7:2:5.
  - a) Find the ratio of the number of marbles that Andrew has to the number of marbles that Gavin has.
  
  - b) Find the ratio of the number of marbles that Ethan has to the number of marbles that Gavin has.
  
  - c) Find the ratio of the number of marbles Ethan has to the total number of marbles the three of them have altogether.
  
  - d) Find the ratio of the number of marbles Ethan has to the number of marbles that Andrew has.
  
- 2) The ratio of the number of soda to the number of juice drinks at the restaurant is 42 : 54. What fraction of the total number if soda and juice drinks is the number of juice drinks?
  
- 3) The sales of cupcakes is  $\frac{5}{2}$  of the sales of ice cream. Find the ratio of the sales of cupcakes to the total sales of both items.
  
- 4) The blue team scored 8 times as high as the yellow team in a basketball game. Find the ratio of the blue team's score to the yellow team's score to their total scores.
  
- 5) Sofie's mom is six times older than her. Find the ratio of Sofie's mom age to Sofie's age.