Introducing Ratios

Ratios & Rates

Name: _____ Date: _____ Grade 6

1. Here are two sets of shapes. Complete each statement.

a Triangles 

Circles 

There are _____ triangles for every _____ circles.

b Squares 

Diamonds 

The ratio of diamonds to squares is _____ to _____ .

2. Here is a picture of a trail mix. Select <u>all</u> the statements that correctly describe the relationship between the raisins and the peanuts.

Raisins 

Peanuts 

- ☐ **A.** The ratio of raisins to peanuts is 4 to 6.
- ☐ **B.** For every 2 raisins, there are 3 peanuts.
- ☐ **C.** The ratio of raisins to peanuts is 6 : 4.
- ☐ **D.** For every 3 peanuts, there are 2 raisins.
- ☐ **E.** The ratio of peanuts to raisins is 3 : 2.
- ☐ **F.** For every 4 peanuts, there are 6 raisins.

3. A smoothie recipe uses 3 strawberries, 2 bananas, and 1 cup of yogurt.

Strawberries 

Bananas 

Yogurt (cups) 

a The ratio of bananas to cups of yogurt is _____ : _____ .

b The ratio of strawberries to bananas is _____ to _____ .

c There are _____ strawberries for every 1 cup of yogurt.

4. Three tricycles are parked outside a school. Each tricycle has 3 wheels, 1 seat, and 2 pedals.

a The ratio of wheels to seats is _____ : _____ .

b The ratio of pedals to seats is _____ to _____ .

c There are _____ wheels for every 1 seat.

d There are _____ pedals for every 1 seat.

5. The diagram shows the flowers in a small garden bed.

Roses 

Tulips 

Maya says the ratio of roses to tulips is 2 : 8. Jordan says the ratio of roses to tulips is 1 : 4. Who is correct? Explain your thinking.

6. The diagram shows the cups of water and scoops of lemonade mix used to make a pitcher of lemonade.

Water (cups) 

Mix (scoops) 

Ari says the ratio of cups of water to scoops of mix is 6 : 3. Write another ratio Ari could use to describe the ratio of water to mix. Explain your thinking.