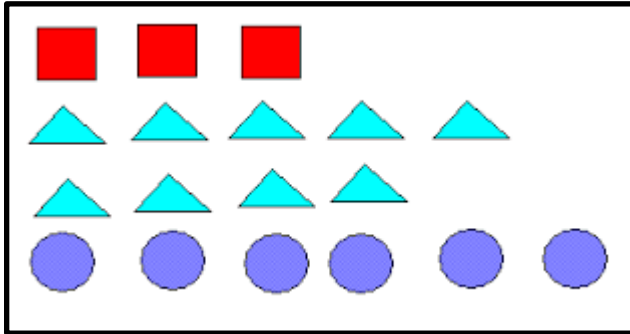1) Select **all** the true statements.

    A. The ratio of circles to squares is 3 to 6.
    B. The ratio of squares to triangles is 3 : 9.
    C. The ratio of triangles to circles is 9 to 3.
    D. There are two circles for every square.
    E. There is one square for every three triangles.
    F. There are three triangles for every circle.

2) Select **all** the ratios that are equivalent to 10 : 8.
    A. 8 : 10
    B. 5 : 4
    C. 6 : 2
    D. 20 : 16
    E. 16 : 20

3) A mixture of purple paint contains 9 teaspoons of red paint and 12 teaspoons of blue paint. To make the same shade of purple paint using 28 teaspoons of blue paint, how much red paint would you need? Label and use the double number line to help.

red paint
(teaspoons)   0

blue paint
(teaspoons)   0

4) Bob rode his bike 3 miles in 15 minutes. He rode at a constant speed. Complete the table to show the time it took him to travel different distances at this speed.

distance traveled (miles)	elapsed time (minutes)
3	15
1	
	1

5) Solve each of the following.

A. 4 bus tickets cost $32. At this rate, what is the cost per ticket?

B. 5 burgers cost $13.25. At this rate, how much do 2 burgers cost?

C. 3 lemons cost $0.99. At this rate, how much are 7 lemons?

6) A box contains 150 buttons. Some are pink and some are blue. There are 29 pink buttons for every blue button. How many blue buttons are in the bag? Explain your reasoning.

7) To make lemonade, Jo mixes 3 scoops of powder with 4 cups of water. Brett mixes 2 scoops of powder with 3 cups of water.

A. Create a double number line or a table that shows at least four different amounts of powder and water that taste the same as Jo's mixture.

B. Create a double number line or a table that shows at least four different amounts of powder and water that taste the same as Brett's mixture.

C. How do their two mixtures compare in taste? Explain your reasoning.