

---

**Day 1: Equivalent Ratios**

---

1. Write two equivalent ratios for the following statement: *For every 6 cups of flour, there are 2 cups of milk.*
  
2. For the following part to part ratios, create two part to whole ratios:
  - a. 5:7
  - b. 3:2
  - c. 4:5
  - d. 2:5
  
3. Create a part to part and part to whole ratio with the following statement: *There are 15 male teachers in the school. There are 35 female teachers in the school.*
  
4. Using the following scenario, answer the following questions about the Allatoona boy's sports:  
*Of the 80 boys at Allatoona who play a spring sport, 35 run track, 20 play baseball, and 25 play lacrosse.  
Create a ratio for the following:*
  - a. track to baseball
  - b. track to total number of boy athletes
  - c. baseball to track
  
5. Analyze each statement and determine if they represent a part to part or part to whole relationship:
  - a. Four out of every 9 student play in the band.
  - b. There are 5 girls for every 4 boys in 9<sup>th</sup> grade.
  - c. Of the 75 track runners, 30 of them are girls.
  - d. There are 10 shot-putters on the 30 member girls' track team.
  - e. There will be 1 teacher for every 25 students in 9<sup>th</sup> grade.

6. Scale up or down to find the missing quantity:

a.  $\frac{32 \text{ oz}}{2 \text{ lb}} = \frac{16 \text{ oz}}{?}$

b.  $\frac{12 \text{ hours}}{720 \text{ miles}} = \frac{4 \text{ hours}}{?}$

c.  $\frac{3 \text{ tickets}}{?} = \frac{1 \text{ ticket}}{\$9.00}$

7. Complete the following equivalent ratio tables and show how you arrived missing value (using arrows):

a.

<b>1</b>		<b>6</b>	<b>10</b>
<b>5</b>	<b>20</b>		

b.

<b>5</b>		<b>15</b>	
<b>6</b>	<b>12</b>		<b>24</b>

8. Leia is planting flowers in her garden. Each variety pack of bulbs contains 4 lilies and 6 dahlias. How many dahlias will Leia plant if she plants 12 lilies?

<b>Lilies</b>	<b>4</b>	<b>8</b>	<b>12</b>
<b>Dahlias</b>	<b>6</b>		