Name: _____   **Date:** _____
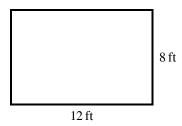
1. At the circus, the ratio of men to women to children was $20:26:52$. In lowest terms, what was the ratio of children to women?

   A. $2:1$ B. $13:2$ C. $1:2$ D. $13:4$

2. The ratio of country to rock to hip-hop CDs in a music store is $15:21:27$. In lowest terms, what is the ratio of hip-hop to rock CDs?

   A. $1:3$ B. $9:7$ C. $3:4$ D. $9:5$

3. Express the ratio of 18 **minutes** to 1 **hour** in lowest terms.

   A. $18:1$ B. $1:18$ C. $18:60$ D. $\frac{3}{10}$

4. A gumball machine contains r red gumballs, b blue gumballs. and y yellow gumballs. Write an expression for the ratio of red gumballs to the total number of gumballs?

   A. $r:(b+y)$ B. $r:y$

   C. $r:(r+b+y)$ D. $r:b$

5. Anthony wants to plant a garden where the length to width ratio is $5:2$. If he already has a plot that is 12 feet long by 8 feet wide, how much must he add to the length to get the desired ratio?

   8 ft

   12 ft

6. In the first period class, 2 out of every 12 students have blonde hair. Write this ratio in three different ways.

7. Sam is playing a card game with his three friends. In his hand he has 13 cards: 4 hearts, 3 clubs, 5 spades, and 1 diamond. What is the ratio of cards in his hand which are *not* hearts?

   A. $\frac{4}{13}$ B. $\frac{7}{13}$ C. $\frac{8}{13}$ D. $\frac{9}{13}$

8. A lifeboat from a cruise ship contains 20 children, 18 women, 12 men, and 6 crewmen. What is the ratio of crewmen to total passengers?

   A. $6:43$ B. $3:17$ C. $6:20$ D. $3:25$