Simplify each ratio.
1. 50:30  
2. 25:35  
3. 24:40

Find the **unit rate** for each. Remember, the units have to be correct to get credit!
4. 375 pages in 3 days  
5. 80 inches in 5 hours  
6. $240 for 4 gifts

Solve each problem.
7. At the market you can buy 5 bags of apples for $23.60. At the orchard you can get 7 bags of apples for $32.76. Which is the better deal?

8. The book fair had a sale where 6 books were $20.46. If you wanted to buy 7 books, how much money would you need?
Answer Key - Practice Quiz for Ratios and Unit Rates

Simplify each ratio.
1. 50:30  \[ \frac{50}{30} = \frac{5}{3} \]
2. 25:35  \[ \frac{25}{35} = \frac{5}{7} \]
3. 24:40  \[ \frac{24}{40} = \frac{6}{10} = \frac{3}{5} \]

Find the unit rate for each. Remember, the units have to be correct to get credit!
4. 375 pages in 3 days  
   \[ \frac{125}{3} \text{ pages per day} \]
   or  
   \[ \frac{125}{1} \text{ pages per day} \]
5. 80 inches in 5 hours  
   \[ \frac{16}{5} \text{ in. per hr.} \]
   or  
   \[ \frac{1}{1} \text{ in. per hr.} \]
6. $240 for 4 gifts  
   \[ \frac{60}{4} \text{ per gift} \]
   or  
   \[ \frac{1}{1} \text{ per gift} \]

Solve each problem.

7. At the market you can buy 5 bags of apples for $23.60. At the orchard you can get 7 bags of apples for $32.76. Which is the better deal?
   \[ \text{Market:} \frac{23.60}{5} = 4.72 \]
   \[ \text{Orchard:} \frac{32.76}{7} = 4.68 \]
   The orchard is the better deal. Each bag is only $4.68.

8. The book fair had a sale where 6 books were $20.46. If you wanted to buy 7 books, how much money would you need?
   Find cost of 1 book: \[ \frac{20.46}{6} = 3.41 \]
   For 7 books, multiply: \[ \frac{3.41}{7} = \frac{23.87}{7} \]
   You will need $23.87 for 7 books.