

4-Step Method to Problem Solving

Name _____

- Write what you know...
 - Write down the formula...
 - Plug in the numbers...
 - Solve the problem...
1. While chasing a gazelle a cheetah covers 90 meters in 3 seconds. How fast is the cheetah going?
 - a. Use the following formula to convert m/s to km/h.....
 - i. $30 \text{ m/s} \cdot 1 \text{ km}/1000 \text{ m} \cdot 3600\text{s}/1 \text{ h} = \underline{\hspace{2cm}} \text{ km/h}$

 2. A car travels 240 km in 3 hours. What is the speed of the car during this time?
 - a. Use the following formula to convert km/h to m/s.....
 - i. $80 \text{ km/h} \cdot 1000\text{m}/1 \text{ km} \cdot 1 \text{ h}/3600 \text{ s} = \underline{\hspace{2cm}} \text{ m/s}$

 3. The speed of a cruise ship is 50 km/h. How far will the ship travel in 14 hours?

 4. The Iron Mountain High School record for the 100 m dash is 11.2 sec. How fast was this person running?
 - a. Convert this speed from m/s to km/h.