1. Find the density of a metal block with a mass of 664.3 g and a volume of 8.7 cm3 .

*( Density = )*

2. Find the average speed of a baseball which travels 16.0 m in 1.4375 seconds.

*(Average speed = )*

3. Analyze the questions below to determine **the units** that would result from each of the following calculations.

a) 2 cm/s x 15 s b) 8 m ÷ 6s c) 25 m/s2 x 2s

d) 5 m/s ÷0.2 s e) 2.5 kg ÷ 1.9 kg/m3 f) 7 kg•m/s2 x 3.2 m

4. Rearrange each formula to solve for the indicated quantity.

a) ; Solve for V b) ; Solve for A