Assignment 2

Unit 4 - Week 3

1. How much sugar is in each serving of a soft drink? How much sugar is in each serving of a soft drink?

2. Solve the equation for x: 2x + 3 = 7

3. The area of a rectangle is given by the formula A = lw, where l is the length and w is the width. If the length is 5 inches and the width is 3 inches, what is the area of the rectangle?

4. The volume of a cylinder is given by the formula V = πr²h, where r is the radius and h is the height. If the radius is 4 cm and the height is 6 cm, what is the volume of the cylinder?

5. The circumference of a circle is given by the formula C = 2πr, where r is the radius. If the radius is 5 cm, what is the circumference of the circle?

6. The density of a substance is given by the formula D = m/V, where m is the mass and V is the volume. If the mass is 100 grams and the volume is 200 cubic centimeters, what is the density of the substance?