18th November

Completed Exercises from the lecture on

< Percentages >

L. Hard, Pages 2-3;

Can be found below.

Hard

(1) 954943a4 Multiple Choice One answer only

Jennifer bought a box of Crunchy Grain cereal. The nutrition facts on the box state that a serving size of the cereal is $\frac{3}{4}$ cup and provides 210 calories, 50 of which are calories from fat. In addition, each serving of the cereal provides 180 milligrams of potassium, which is 5% of the daily allowance for adults. If p percent of an adult's daily allowance of potassium is provided by x servings of Crunchy Grain cereal per day, which of the following expresses p in terms of x?

$$\frac{a. \ p = 0.51 = 0.5}{b. \ p = (0.05)^4 = 0.05} \frac{3}{4} \quad \text{Cup} \qquad \begin{array}{c} 50 \quad \text{cal fat} \\ \frac{b. \ p = (0.05)^4 = 0.05}{2.05} \\ \frac{c. \ p = 51 = 5}{4.05} \\ \frac{d. \ p = (1.05)^x}{4.05} = 1.05 \end{array}$$

$$\frac{1}{48} \times = \rho$$

$$\frac{1}{48} \times = \rho$$

$$\frac{1}{48} \times = \rho$$

$$\frac{1}{48} \times \frac{3}{4} \times \frac{1}{36}$$

(3) 65c49824 Short answer Case-Insensitive

A school district is forming a committee to discuss plans for the construction of a new high school. Of those invited to join the committee, 15% are parents of students, 45% are teachers from the current high school, 25% are school and district administrators, and the remaining 6 individuals are students. How many more teachers were invited to join the committee than school and district administrators?

- 15% Parents 45% teacles 118

5 % students, 5 = 15%

100% = 5% + 15% + 45% + 45%