

Activity 13: Chow Time (Fill-in all the blanks and solutions!)

Directions: Solve each problem below. Write the variable on the lines above the correct answer in the question box. Be careful! Each answer must match exactly. Some answers will not have a space below. The resulting message will be the answer to the riddle.

1. 50% of 108 is M (M = 54)

8. 5% of 1600 is O O =

2. 20% of 375 is W W =

9. 27 is 75% of D D =

3. N% of 8 is 6 N =

10. 150% of R is 36 R =

4. A% of 48 is 18 (A = 37.5%)

11. .4% of C is 1.44 C =

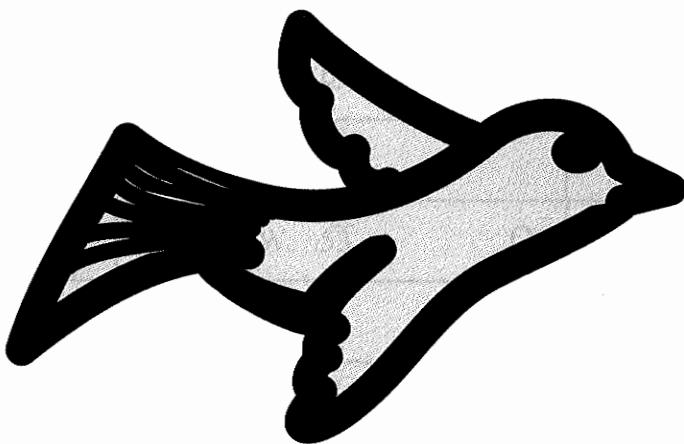
5. F% of 15 is 12 F =

12. 15% of 62 is T T =

6. 10% of L is 60 L =

13. 200% of E is 36 E =

7. 10% of 45 is S S =



Question: What is a canary's favorite breakfast cereal?

360 24 18 A M 54

80 80% 9.3 75 18 9.3

□ Solving Percent Problems

Percent problems usually need some simple mathematical transformations in order to solve them. These common key words associated with their mathematical symbols should help ease the look of some percent “story problems.”

“of” means multiply

“What number” or “Some number” means use a variable

“%” means switch the number back to the useful decimal form

“is” means equals

Example: What number is 30% of 60?

$$n = .30 \times 60$$

$$n = 18$$

Example: The number 20 is what percent of 60?

$$\begin{array}{r} 20 = n\% \times 60 \\ 60 \qquad \qquad 60 \\ \hline .333 = n\% \\ 33.\overline{3}\% = n \end{array}$$