

PERCENT WORD PROBLEMS - 1

- 1) A suit is made of 60% wool and 40% polyester.
 - a) What fractional part of the suit is wool?
 - b) What fractional part of the suit is polyester?
- 2) Last week John sold \$48 worth of magazine subscriptions. He receives a 25% commission on his sales. How much money did John earn last week?
- 3) The Pep Club agreed to raise \$150. The club actually raised \$200. What percent of the agreed amount did the Club raise?
- 4) The Pep Club raised \$50 selling popcorn. This was 125% of their goal. What was their goal?
- 5) Mike works on a commission. He makes 15% of his total sales. If he earned \$45 last week, what were his sales for the week?
- 6) The average American family spends about 25% of their income on food. Jane said her family spends three-tenths (0.3) of their income on food. Does Jane's family spend more or less for food than the average family?

1a) $\frac{3}{5}$ b) $\frac{2}{5}$ 2) \$12 3) $133\frac{1}{3}\%$ 4) \$40 5) \$300 6) more

7) Twenty-five percent of fatal automobile accidents involve drivers under the age of 25.

a) What fraction of the drivers involved in fatal accidents are under 25 years of age?

b) What fraction of the drivers involved in fatal accidents are over 25 years of age?

8) A can of dog food is marked 20% protein, 5% ash and 75% moisture.

a) What fractional part is protein?

b) What fractional part is ash?

c) What fractional part is moisture?

9) Jim had 7 hits out of 11 times at bat. Bill had 13 hits out of 21 times at bat. What was the percent of hits for both boys and who had the better record?

Jim _____ Bill _____

10) Ario had a hit 20% of the times he was at bat. If he had 20 hits during the season, how many times was he at bat?

11) Twenty percent of the students in a high school prefer root beer, and five tenths of the students prefer cola. Which drink is more popular with the students?

12) In a city 92% of the 1456 students received polio shots. How many students did not receive the shots? Round to the nearest student.

7a) $\frac{1}{4}$ b) $\frac{3}{4}$

8a) $\frac{1}{5}$ b) $\frac{1}{20}$ c) $\frac{3}{4}$

9) Jim - $63\frac{7}{11}\%$

10) 100 times

11) cola

12) 116 students

Bill - $61\frac{19}{21}\%$

Jim had a better record