# Calculating the percentage of fat in food

Use the information on the package labels to calculate the percentage of fat in the foods.

 **Example:**  Food/Product: **Fudge Cookie (one cookie)**

 Total fat grams: 5 grams

 Total calories: 100 calories

 a) To calculate the **total calories from grams of fat** in a food:

 *Remember: There are 9 calories per each 1 gram of fat: * ( \_5\_ grams of fat) x  = \_45\_ calories

 b) To calculate the **percentage of calories from fat** in a food:

  *Remember: *

45

 **

45

.45

100

# Calculating the percentage of fat in food

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

period: \_\_\_\_\_\_

1. Food/ Product Name: Peanut Butter (2 Tbsp.)

 Fat Grams: 16

 Total Calories: 190



 a) ( \_\_16\_\_\_ grams of fat) x  = \_144\_\_\_ calories from fat

144

b) **

190

76

.76

2. Food/ Product Name: Olives (5)

 Fat Grams: 2.5

 Total Calories: 25

 a) ( \_\_2.5\_\_\_ grams of fat) x  = \_\_22.5\_\_ calories from fat



22.5

b) **

90

.90

25

3. Food/ Product Name: Golden Raisins (4 Tbsp.)

 Fat Grams: 0

 Total Calories: 120

 a) ( \_\_0\_\_\_ grams of fat) x  = \_\_0\_\_ calories from fat



0

b) **

0

0

120

4. Food/ Product Name: Creamy Italian Dressing

 Fat Grams: 11

 Total Calories: 100

1.  ( \_\_11\_\_ grams of fat) x  = \_99\_ calories from fat

99

b) **

.99

99

100

5. Food/ Product Name: Black Beans ($\frac{1}{2}$cup)

 Fat Grams: .5

 Total Calories: 110

 a) ( \_\_.5\_\_\_ grams of fat) x  = \_\_4.5\_\_ calories from fat



4.5

b) **

4

0.04

110

6. Food/ Product Name: Pretzel M&M

 Fat Grams: 6

 Total Calories: 180

 a) ( \_\_6\_\_\_ grams of fat) x  = \_\_54\_\_ calories from fat

b) **

30

.30

180

54

7. Food/ Product Name: Granola Cereal

 Fat Grams: 8

 Total Calories: 240

 a) ( \_\_8\_\_\_ grams of fat) x  = \_\_72\_\_ calories from fat

72

b) **

30

.30

240

8. Complete the bar chart:

 a) Write in the food items from lowest to highest percentage of fat.

 b) Draw a bar for each food item representing the percentage of fat in the food.



**Other Applications**

9. Last month your paycheck was $1,200 you spent $300 on food. What percent of your income was spent on food?

$$\frac{300}{1,200}= 0.25=25\%$$

10. Charlie started on a diet in January at that time he weighed 280 pounds.

In October of that year he weighed 250 pounds.

 a) How much weight did Charlie lose? 280-250=30

 b) What percent of his original weight did he lose?

$$\frac{30}{280}=.107 round to .11=11\%$$

11. A screen printing business has a monthly allotment of $10,000 for operating cost. They plan to spend $3,300 for rent and utilities, $2,200 for advertising and $4,5000 for supplies.

What percent of their budget do they plan to spend in each area?

\_$\frac{3,300}{10,000}=33\%$\_ Rent/Utilities \_$\frac{2,200}{10,000}=22\%$\_ Advertising \_$\frac{4,500}{10,000}=45\%$\_ Supplies

12. Total calories consumed in one day: 2,500

 Calories consumed from carbohydrates 1,500

 Calories consumed from proteins 250

Fats 30%

 Calories consumed from fats 750

 What percent of calories were spent in each area?

Carbohydrates 60%

Protein 10%

A problem you might see on the ACT Test

A company makes a profit equal to 25% of its sales. The profit is shared equally among the 4 owners of the company. If the company generates sales of $5,000,000 how much money does each one of the owners get?

 A) 12,500 B) 312,500 C) 500,000 D) 1,250,000 E) 12,500,000