

ARRANGED HOUR FOR MATH 50

Math 50 – Sections 1.2
Expressions

Name _____

Instructor _____

Date _____

1. It costs \$7.50 for a hot dog at a baseball stadium.
 - a. Find the total cost of buying the given number of hotdogs in the table

Number of hotdogs, n	Total cost
2	
3	
6	
10	
n	

- b. Which one of your answers in the above table is called an expression?

2. The total cost for a person's water bill includes a \$20 monthly fee and then 75 cents per gallon of water used.
 - a. Fill in the total cost of using the given gallons of water in a month

Gallons of water used, g	Total cost
0	
10	
30	
50	
g	

- b. Which one of your answers in the above table is called an expression?

ARRANGED HOUR FOR MATH 50

3. The total cost of a computer is \$925, plus sales tax of 9.25%. We can find the amount we have to pay by evaluating the expression $\text{Total Cost} = 925 + 0.0925(925)$. Evaluate this expression and write your answer to the nearest cent and write your answer in a sentence (round your answer to 2 decimal places).

$$\text{Total Cost} = 925 + 0.0925(925)$$

4. If \$1000 is invested at 4% annual interest and remains untouched for 2 years, the amount of money that is in the account at the end of the 2 years can be found using the expression:

$$\text{Total amount} = 1000(1 + 0.04)^2$$

Evaluate this expression and write your answer to the nearest cent and write your answer in a sentence (round your answer to 2 decimal places).

$$\text{Total amount} = 1000(1 + 0.04)^2$$

5. A job pays \$15.80 per hour, how much will you make if you work 4.5 hours? Write an expression to determine the total amount you will make and write your final answer in a sentence (round your answer to 2 decimal places).