Name _____   Date _____

Lesson #18 – Multiplying Decimals

1) You travel downstream in a raft of about 4.3 miles per hour. How far will you travel in 2.5 hours? (*HINT*: To answer this question, you need to substitute the given values into the distance formula: Distance = Rate • Time.)

Multiplying Decimals

To multiply decimals, multiply as you whole numbers. Then place the decimal point. The number of decimal places in the product is the total number of decimal places in the factors.
 	
    2.25   x   8.9   =   20.025
 	
    2 places   1 place   3 places

Directions: Find the product. Check that the answer is reasonable.

2) − 7.39 • 2.1	3) 19.62 • 5.07
4) 1.13 • 0.04	5) − 0.85 • (− 8)

6)   0.6 • 0.8

7)   - 0.9 • 0.27

8)   18.3 • (- 0.67)

9)   7.2(5.4)

10)   8.4 (- 0.003)

11)   - 0.28 • (- 28.1)

12)   - 0.53 (-17.1)

13)   -1.89 (0.375)

14)   8.1 • (- 6.25)

15)   -0.87 (-2.1)

16) The price of one share of Acme Company declines $3.50 per day for 4 days in a row. What was the overall change in the price in one share? Show all work.

17) Verizon offers an employee discount of $13.75 of the bill per month for all employees. What is the total discount the employee receives after a year?

18) A plane is traveling at an altitude of 3000 ft. The plane then ascends to an altitude that is 1.5 times higher than the altitude he was cruising. What is the planes new altitude?

19) The temperature at noon is $0°C$. The temperature changes by $-2.3°$ every half hour for 3 hours. What is the temperature at 3:00 PM?