Smiley Face Math **Name:** _____
Grade 4, Worksheet V

☺ ☺ ☺ 1. A scientist has a jar with 4.8 liters of acid in it. She pours 1.9 liters of acid into another jar. To the nearest liter, about how much acid is left in the first jar?

Answer: _____ liters

☺ ☺ 2. Three race cars are driving around a 4-mile track 110 times. Find the total number of miles the three cars travel. Explain how you got your answer.

Answer: _____ miles

Explanation:

☺ ☺ 3. Omar has 4/10 of a dollar in change. All of his coins are dimes. Circle the way to write his amount of money as a decimal.

A. $0.04

B. 0.40¢

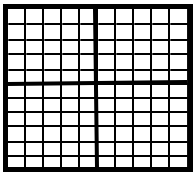
C. $0.40

D. 0.10¢

☺ ☺ ☺ 4. Joe was in charge of making a rectangular parking lot for 36 cars. He could make 1 row of 36 cars but that would be a strange parking lot. Tell all the different ways that Joe could design the lot. How many ways are there?

Answer: *Joe could make a 1 row-by-36 car lot as below; or a 2 row-by-___ car lot; or a 3 row-by-___ car lot; or a 4 row-by-__car lot; or a 6 row-by-___ car lot; or a 9 row-by-___ car lot; or a 12 row-by-___ car lot; or an 18 row-by-___ car lot; or a 36row-by-___ car lot. There are ___ ways all together.*

1 2 3 4 5 6 36



☺ ☺ 5. Shade in ¼ of the rectangle to the right. Then circle the letter with the equivalent decimal and percent for ¼.

A. 0.25 and 25% B. 0.04 and 4% C. 25 and 25% D. 0.4 and 40%

☺ ☺ ☺ 6. Identify the rule for each input-output table and complete the table. Then explain the relationship between the two tables.

a. Rule: _____

Input	Output
1	3
4	12
6	18
7	
9	
x	*?*

b. Rule: _____

Input	Output
3	1
12	4
18	6
21	
27	
x	*?*

Explain: _____

_____

☺ ☺ ☺ 7. Sylvia spends 150 minutes each morning and 85 minutes each night, 3 days a month, on the Internet. Write an equation to show how much time each month Sylvia spends on the Internet. Let *t* represent the total time she spends on the Internet. Then find a value for *t*.

Answer: equation: _____

Total time per month: _____ minutes

☺ ☺ ☺ ☺ 8. A song is played at a fast tempo of 180 beats per minute. If the song lasts 3 minutes and 58 seconds, <u>about</u> how many beats are there in the song?

Answer: about ____ beats