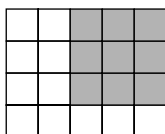


Additional Practice**Investigation 2****Bits and Pieces III**

1. Josh and his father are estimating how much gas they will need for a car trip. They know that the car gets 39 miles per gallon. Estimate how many gallons of gas they will need for a trip of 778 miles. Explain your reasoning.
2. The diagram below shows a rectangular plot of land cut into squares of 2.65 acres each.



- a. What is the acreage of the shaded region?
 - b. What is the acreage of the unshaded region?
 - c. In this area, land sells for \$2,475 per acre.
 - i. What would the price of the shaded region be?
 - ii. What would the price of the unshaded region be?
 - d. In this area, owners pay property taxes of \$13.50 per thousand dollars of property value. What is the total annual property tax for the shaded and unshaded regions combined? Explain.
3. Use the number sentence $123 \times 4 = 492$ to help you solve the following:
- | | | |
|----------------------|-----------------------|------------------------|
| a. 12.3×4 | b. 1.23×4 | c. 0.123×4 |
| d. 0.123×40 | e. 0.123×400 | f. 0.123×4000 |

Additional Practice *(continued)***Investigation 2****Bits and Pieces III**

4. Use the number sentence $63 \times 501 = 31,563$ to help you solve the following:

a. 6.3×5.01

b. 6.3×0.501

c. 6.3×50.1

d. 0.63×5.01

e. 0.63×501

f. 0.63×0.501

5. For each of the following problems, estimate the product. Explain.

a. 2.4×0.8

b. 5.21×1.1

c. 1.29×8

d. $12.2 \times \frac{1}{2}$

e. 74.6×1.5

f. 3.04×100

6. For (a)–(f) in problem 5 above, find the product. Show your work.

7. Compute each product. What patterns do you notice?

a. 5.5×9.9

b. 5.5×9.99

c. 5.5×9.999

d. 5.5×9.9999