Name _____

Date ____

1. Round the factors to estimate the products.

A reasonable estimate for 697 × 82 is ______.

A reasonable estimate for 5,897 × 67 is ______.

A reasonable estimate for 8,840 × 45 is ______.

2. Complete the table using your understanding of place value and knowledge of rounding to estimate the product.

Expressions	Rounded Factors	Estimate
a. 3,409 × 73	3,000 × 70	210,000
b. 82,290 × 240		
c. 9,832 × 39		
d. 98 tens × 36 tens		
e. 893 hundreds × 85 tens		

3. The estimated answer to a multiplication problem is 800,000. Which of the following expressions could result in this answer? Explain how you know.

 $8,146 \times 12$

 $81,467 \times 121$

 $8,146 \times 121$

 $81,477 \times 1,217$

4. Fill in the blank with the missing estimate.

5. In a single season, the New York Yankees sell an average of 42,362 tickets for each of their 81 home games. About how many tickets do they sell for an entire season of home games?

- 6. Raphael wants to buy a new car.
 - a. He needs a down payment of \$3,000. If he saves \$340 each month, about how many months will it take him to save the down payment?

b. His new car payment will be \$288 each month for five years. What is the total of these payments?

