Name _____ Core _____ Date _____

✓ Vocabulary and Concept Check

1. **NUMBER SENSE** If you know $12 \times 24 = 288$, how can you find 1.2×2.4?

_____

_____

_____

_____

2. **NUMBER SENSE** Is the product 1.23×8 greater than or less than 8? Explain.

_____

_____

_____

_____

Put the decimal point in the correct place in the product.

3. $1.7\,8$
    $\underline{\times\ \ \ 4.9}$
    $8\,7\,2\,2$

4. $9.2\,4$
    $\underline{\times\ \ 0.6\,8}$
    $6\,2\,8\,3\,2$

5. $3.7\,5$
    $\underline{\times\ \ \ \ 5.2\,2}$
    $1\,9\,5\,7\,5\,0$

How many decimal places are in the product?

6. 6.17×8.2 **7.** 1.684×10.2 **8.** 0.053×2.78

_____   _____   _____

Multiply. Use estimation to check your answer. **Show your work on your grid. Write your answer below.**

20. 8.188
   ×   12

Estimate: _____

ERROR ANALYSIS **Describe and correct the error in the solution.**

26.

✗   0.32
      ×   5
      0.160

_____

_____

_____

_____

Multiply. **Show your work on your grid. Write your answer below.**

36. 0.0008
  × 0.004

48. CROPLAND Alabama has about 2.51 million acres of cropland. Florida has about 1.15 times as much cropland as Alabama. How much cropland does Florida have?

_____

ORDER OF OPERATIONS Evaluate the expression.

54. $1.047 \times 5 - 0.88$

56. $23.98 - 1.7^2 \cdot 7.6$

58. $0.9(8.2 \cdot 20.35)$