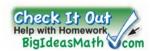
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## 2.5 Exercises





<b>1. NUMBER SENSE</b> If you know $12 \times 24 = 288$ , how can you find $1.2 \times 2.4$ ?
2. NUMBER SENSE Is the product $1.23 \times 8$ greater than or less than 8? Explain.

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

3. 
$$1.78$$
 $\times 4.9$ 
 $8722$ 

4. 
$$9.24$$
 $\times 0.68$ 
 $62832$ 

5. 
$$3.75$$
  
 $\times 5.22$   
 $195750$ 

## How many decimal places are in the product?

**6.**  $6.17 \times 8.2$ 

- 7.  $1.684 \times 10.2$
- **8.**  $0.053 \times 2.78$

Multiply. Use estimation to check your answer.

Show your work on your

grid. Write your answer below.

Estimate:

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

26.



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.** 
$$1.047 \times 5 - 0.88$$

**54.** 
$$1.047 \times 5 - 0.88$$
 **56.**  $23.98 - 1.7^2 \cdot 7.6$ 

**58.** 0.9(8.2 • 20.35)