Lesson 10: The Distributive Property and the Products of Decimals

Classwork

Opening Exercise

Calculate the product.

|  |  |
| --- | --- |
| * 1. $200×32.6$
 | * 1. $500×22.12$
 |

**Example 1: Introduction to Partial Products**

Use partial products and the distributive property to calculate the product.

$$200×32.6$$

**Example 2: Introduction to Partial Products**

Use partial products and the distributive property to calculate the area of the rectangular patio shown below.

$500$ **ft.**

$22.12$ **ft.**

Exercises

Use the boxes below to show your work for each station. Make sure that you are putting the solution for each station in the correct box.

|  |
| --- |
| Station One: |
| Station Two: |
| Station Three:  |
| Station Four:  |
| Station Five:  |

Problem Set

Calculate the product using partial products.

1. $400×45.2$
2. $14.9×100$
3. $200×38.4$
4. $900×20.7$
5. $76.2×200$