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| **Applying the Order of Operations with Decimals** |
| Uses a variety of strategies to evaluate decimal expressions with one operation2.5 × 0.6I used partial products.2 × 0.6 = 1.20.5 × 0.6 = 0.3So, 2.5 × 0.6 = 1.2 + 0.3  = 1.5 | Applies the order of operations to decimal expressions with more than one operation2.5 × 0.6 + 1.4 ÷ 0.2There are no brackets, so multiply and divide, in order, from left to right.2.5 × 0.6 = 1.51.4 ÷ 0.2 = 7Then, add: 1.5 + 7 = 8.5 | Uses the order of operations to solve multi-step problemsIf a small smoothie costs $4.75 and large smoothie costs $7.25, how much would 5 small smoothies and 2 large smoothies cost?The total cost would be: 5 × 4.75 + 2 × 7.25.I applied the order of operations.5 × 4.75 = 23.752 × 7.25 = 14.523.75 + 14.5 = 38.25The total cost would be $38.25. | Applies properties of operations to analyze a multi-step problemPut brackets in the expression to get the greatest answer. 3 × 2.8 + 6.4 ÷ 4Division by 4 will make the answer smaller. So, I need to multiply by a larger number. Try 3 × (2.8 + 6.4 ÷ 4).3 × (2.8 + 1.6) = 3 × 4.4  = 13.2 |
| **Observations/Documentation** |
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