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| **Applying the Order of Operations with Decimals** | | | |
| Uses a variety of strategies  to evaluate decimal expressions  with one operation  2.5 × 0.6  I used partial products.  2 × 0.6 = 1.2  0.5 × 0.6 = 0.3  So, 2.5 × 0.6 = 1.2 + 0.3  = 1.5 | Applies the order of operations  to decimal expressions with more than one operation  2.5 × 0.6 + 1.4 ÷ 0.2  There are no brackets, so  multiply and divide, in order,  from left to right.  2.5 × 0.6 = 1.5  1.4 ÷ 0.2 = 7  Then, add: 1.5 + 7 = 8.5 | Uses the order of operations  to solve multi-step problems  If 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 = 23.75  2 × 7.25 = 14.5  23.75 + 14.5 = 38.25  The total cost would be $38.25. | Applies properties of operations to analyze a multi-step problem  Put brackets in the expression  to get the greatest answer.  3 × 2.8 + 6.4 ÷ 4  Division 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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