Number

Lesson 20 Assessment

Applying the Order of Operations with Decimals

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			