Possible Solutions

Jordan stops to get gas on her way to work. Each gallon of gas costs $2.40. The total that Jordan spends on gas is $36.00. The equation below can be used to calculate x, the number of gallons of gas she purchased.

$$2.4x = 36$$

What is the value of x, the total number of gallons of gas Jordan purchased?

- To solve this equation for x, students must isolate the variable in the given equation, $2.4x = 36$.
- To solve for the variable, students must divide by 2.4 on each side. On the side of the variable, it will remove the 2.4, isolating x. On the side with 36, we would also divide 2.4, meaning we would solve $36 \div 2.4$.
- When students solve that expression, they would get a result of 15. Therefore, Jordan purchased 15 gallons of gas.