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7. A student wrote this equation to solve the problem in question 6:

$$2n + 3 = 20$$

How would you explain to the student why this is incorrect?

Apply

8. The perimeter of a rectangle is 26 cm. The rectangle has length 8 cm. What is the width of the rectangle?
- Write an equation that can be solved using the distributive property.
 - Solve the equation.
 - Verify the solution.
9. **Assessment Focus** The price of a souvenir T-shirt was reduced by \$5. Jason bought 6 T-shirts for his friends. The total cost of the T-shirts, before taxes, was \$90. What was the price of a T-shirt before it was reduced?
- Write an equation to model this problem.
 - Solve the equation.
 - Verify the solution. Explain how you know it is correct.
10. Chuck and 7 friends went to Red Deer's Westerner Days fair. The cost of admission was \$6 per person. They each bought an unlimited midway ride ticket. The total cost of admission and rides for Chuck and his friends was \$264. What was the price of an unlimited midway ride ticket?
- Write an equation to model this problem.
 - Solve the equation. Verify the solution.

