Lesson 16: Interpreting Inequalities

Cool Down: Party Decorations

Andre is making paper cranes to decorate for a party. He plans to make one large paper crane for a centerpiece and several smaller paper cranes to put around the table. It takes Andre 10 minutes to make the centerpiece and 3 minutes to make each small crane. He will only have 30 minutes to make the paper cranes once he gets home.

1. Andre wrote the inequality $3x + 10 \le 30$ to plan his time. Describe what x, 3x, 10, and 30 represent in this inequality.

2. Solve Andre's inequality and explain what the solution means.