

**Directions:** Using the scientific method on the next page, determine whether a cart or a wagon would work best to move a 50-pound box of books. The box's dimensions of length, width, and height are 16" x 16" x 24".

### A CART



Dimensions: 33" x 20" x 37"

### A WAGON



Dimensions: 39" x 14" x 14"

1. State the problem.
2. Do your research. For example, how much weight can a cart support? Is a wagon large enough to hold the box?
3. Based on what you now know, which do you think will work best: a cart or a wagon?
4. Make a plan to test your hypothesis.
5. If possible, put your plan into action and record your results. Otherwise, use your research to determine if your hypothesis is accurate.
6. What did you learn?
7. Based on what you learned, would you use the cart or wagon to carry the box? Why?