

Name _____

Date _____

Class # _____

Block _____

Model Drawing Problem

Lengths of Segments 2

Goals

I can create and use a drawing to model and solve a problem.

Points A , B , C , and D are collinear. Point B is between points A and C . Point C is between points B and D . Point B is the midpoint of \overline{AC} . The length of \overline{BC} is one-half the length of \overline{CD} . If $AD = 132$, then what is the length of \overline{AC} ?

Step-By-Step

1. Read the problem completely.
2. Draw a model. Label the model with the given information. Remember "Recipe Reading". (4 points)
3. Define a base unit. (2 points)
4. Place your "?". (2 points)
5. Work your computation. (2 points)
6. Write a complete sentence to answer the question. (2 points)