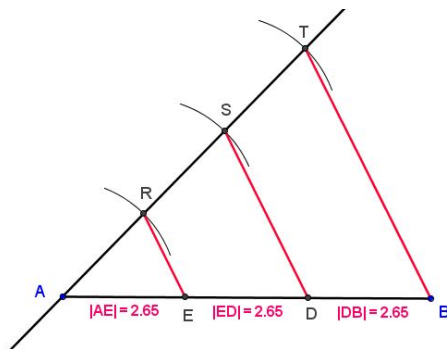


## Student Activity Construction 6

Use in connection with the interactive file “construction 6” on the Student’s CD.

Construction 6: The division of a segment into 2 or 3 equal segments without measuring it.



1. Move the point B on the interactive file to make  $|AE| = 3$ . Write down the lengths of  $|ED|$  and  $|DB|$

$|ED| =$  \_\_\_\_\_  $|DB| =$  \_\_\_\_\_

2. Move the point B on the interactive file to make  $|AE| = 2.5$ . Write down the lengths of  $|ED|$  and  $|DB|$

$|ED| =$  \_\_\_\_\_  $|DB| =$  \_\_\_\_\_

What conclusion can you draw from the answers to questions 1 and 2 above?

Conclusion \_\_\_\_\_

3. Divide the line segment [AB] into 3 equal parts.



4. If you were asked to divide the line segment [AB] above into 5 equal parts, what would you change in the text in tick box C of the interactive file?

Text for Tick Box C: On this line use \_\_\_\_\_  
\_\_\_\_\_.