



Dilations Lesson 7: Compass Construction Name _____

Student Activity   

Class _____

In this lesson, you will dilate a triangle about a given point using a compass and straightedge.



Open the document: ***Dilations_Lesson7.tns***.

PLAY INVESTIGATE EXPLORE DISCOVER

It is important that the Dilations Tour be done before any Dilations lessons.

NOTE: the shortcut keys do NOT work in this file, as they did in the previous lessons.

Move to pages 1.2 to 2.1.

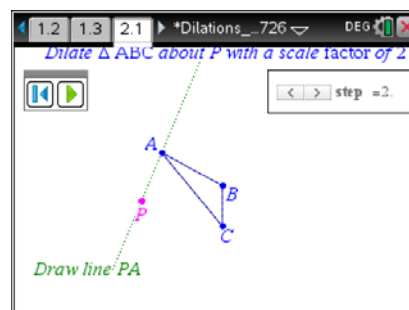
On the handheld, press **ctrl**  and **ctrl**  to navigate through the pages of the lesson.

On the iPad®, select the page thumbnail in the page sorter panel.

1. Read the directions on page 1.3, then move to 2.1. Move the cursor to the slider in the top right corner and click on the right arrow to see the first step.

Then press the right arrow on the touchpad to advance a step and press the left arrow to go back a step. Follow along with a compass and straightedge on the drawing below.

Do not erase any of the construction lines and show all work on this paper.



By construction, dilate $\triangle ABC$ about point P with a scale factor of 2.

