

Name: _____

Dimensions of the Court

GRADES 3-5

Elaborate

Part 1: Using a protractor with a scale factor $1 \text{ m} = 2/3 \text{ mm}$, draw a scale model of a tennis court.

1. At the top of your paper, draw a horizontal line that is 5.5 mm long. Label this your baseline.
2. At the right end of the baseline, create a 90 degree angle towards the bottom of your paper with the protractor, drawing a line that is 15.9 mm long. Label this your doubles sideline.
3. At the end of the doubles sideline, create a 90 degree angle towards the left side of your paper with the protractor, drawing a line that is 5.5 mm long. Label this your baseline.
4. At the end of the baseline, create a 90 degree angle towards the top of your paper with the protractor, drawing a line that is 15.9 mm long. Label this your doubles sideline.
5. Find the halfway or midpoint of your doubles sideline. From this point, draw a line that connects one side of the sideline to the other.
6. At the end of the baseline, measure 0.9 mm into the court and draw a line that connects one side of the baseline to the other. Label this your singles sideline.
7. Follow the same directions from Step 6, but on the other side of the baseline to draw the other singles sideline.
8. Starting at the intersection of the singles sideline and the net, measure 4.3 mm above the net. From this point, draw a line connecting one side of the singles sideline to the other. Label this the service line.
9. Follow the same directions from Step 8, but measure below the net. Label this the service line.
10. Find the halfway or midpoint of your service line, draw a line connecting the service line to the net; do this on both sides of the net. Label this your center service line.

Name: _____

Dimensions of the Court

GRADES 3-5

Elaborate

