

## Angle Tangle

Materials: Protractor  
Angle Tangle Scorecard  
Recording Sheet

**NOTE:**

Measure and draw angles using a protractor (5.M.8)

Justify the reasonableness of estimates (5.M.11)

**Directions:**

- 1) Player 1 uses a straightedge to draw an angle on the recording sheet.
- 2) Player 2 estimates the degree of measure of the angle and writes it on the scorecard.
- 3) Player 1 uses the protractor to measure the angle. Both players agree on the measure and mark it on the scorecard.
- 4) Player 2's score is the difference between the estimate and the actual measure of the angle.
- 5) Players trade roles and repeat.

At the end of ten rounds, players add their scores. The player with the lower total score wins the game.

Angle Tangle Score Sheet

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## PLAYER 1

ROUND	ESTIMATE	ACTUAL	POINTS
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
			<b>Total Points=_____</b>

## PLAYER 2

ROUND	ESTIMATE	ACTUAL	POINTS
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
			<b>Total Points=_____</b>

Angle Tangle Recording Sheet

## NOTE:

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Justify the reasonableness of estimates (5.M.11)

My Name \_\_\_\_\_ My Partner's Name \_\_\_\_\_

Round 1

My partner drew this angle:

I estimate the angle is \_\_\_\_\_ degrees. It was actually \_\_\_\_\_ degrees.

I earned \_\_\_\_\_ points.

Round 2

My partner drew this angle:

I estimate the angle is \_\_\_\_\_ degrees. It was actually \_\_\_\_\_ degrees.

I earned \_\_\_\_\_ points.

Date \_\_\_\_\_

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Justify the reasonableness of estimates (5.M.11)

My Name \_\_\_\_\_ My Partner's Name \_\_\_\_\_

Round 3

My partner drew this angle:

I estimate the angle is \_\_\_\_\_ degrees. It was actually \_\_\_\_\_ degrees.

I earned \_\_\_\_\_ points.

Round 4

My partner drew this angle:

I estimate the angle is \_\_\_\_\_ degrees. It was actually \_\_\_\_\_ degrees.

I earned \_\_\_\_\_ points.

After adding up all the points for the four rounds, I had \_\_\_\_\_ total points. My partner had \_\_\_\_\_ points.