

Angle Race

- Materials**
- 1 24-pin circular geoboard or 1 sheet of Circular-Geoboard Paper (*Math Masters*, p. TA51)
 - 15 rubber bands, or a straightedge and a pencil
 - 1 set of *Angle Race Degree-Measure Cards* (*Math Masters*, p. G46)

Players 2

Skill Recognizing angle measures

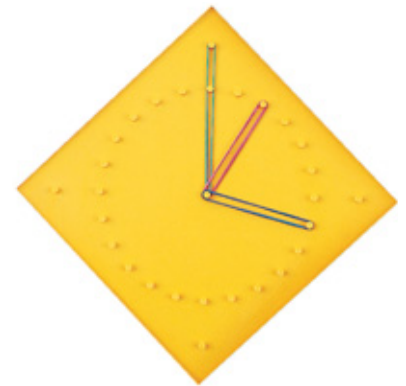
Object of the Game To complete an angle exactly on the 360° mark on a circular geoboard.

Directions

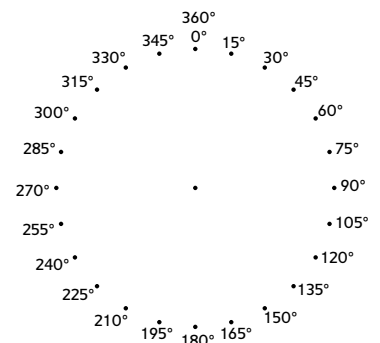
- 1 Shuffle the cards. Place the deck number-side down.
- 2 If you have a circular geoboard, stretch a rubber band from the center peg to the 0° peg.

If you do *not* have a circular geoboard, use a sheet of Circular-Geoboard Paper. Draw a line segment from the center dot to the 0° dot. Instead of stretching rubber bands, you will draw line segments.

- 3 Players take turns using the same geoboard or paper.
- 4 When it is your turn, select the top card from the deck. Make an angle on the geoboard that has the same degree measure as shown on the card. Use the last rubber band placed on the geoboard as one side of your angle. Make the second side of your angle by stretching another rubber band from the center peg to a peg on the circle, going *clockwise*.
- 5 Rubber bands may not go past the 360° (or 0°) peg. If you must go past the 360° peg, you lose your turn.
- 6 The first player to complete an angle exactly on the 360° peg wins.



Circular Geoboard



Circular-Geoboard Paper

Example

Nia draws a 30° card. She makes a 30° angle by stretching a rubber band from the center peg to the 30° peg. Max draws a 75° card. He makes a 75° angle by stretching a rubber band from the center peg to the 105° peg, as shown above. They continue to take turns, adding angles clockwise around the circle, until one player reaches the 360° peg exactly.

Angle Race

Degree-Measure Cards

1	2
4	3

NAME

DATE

TIME



15°	15°	15°	15°	30°	30°
30°	30°	45°	45°	45°	45°
60°	60°	60°	75°	75°	75°
90°	90°	90°	120°	120°	150°
180°	210°	240°			

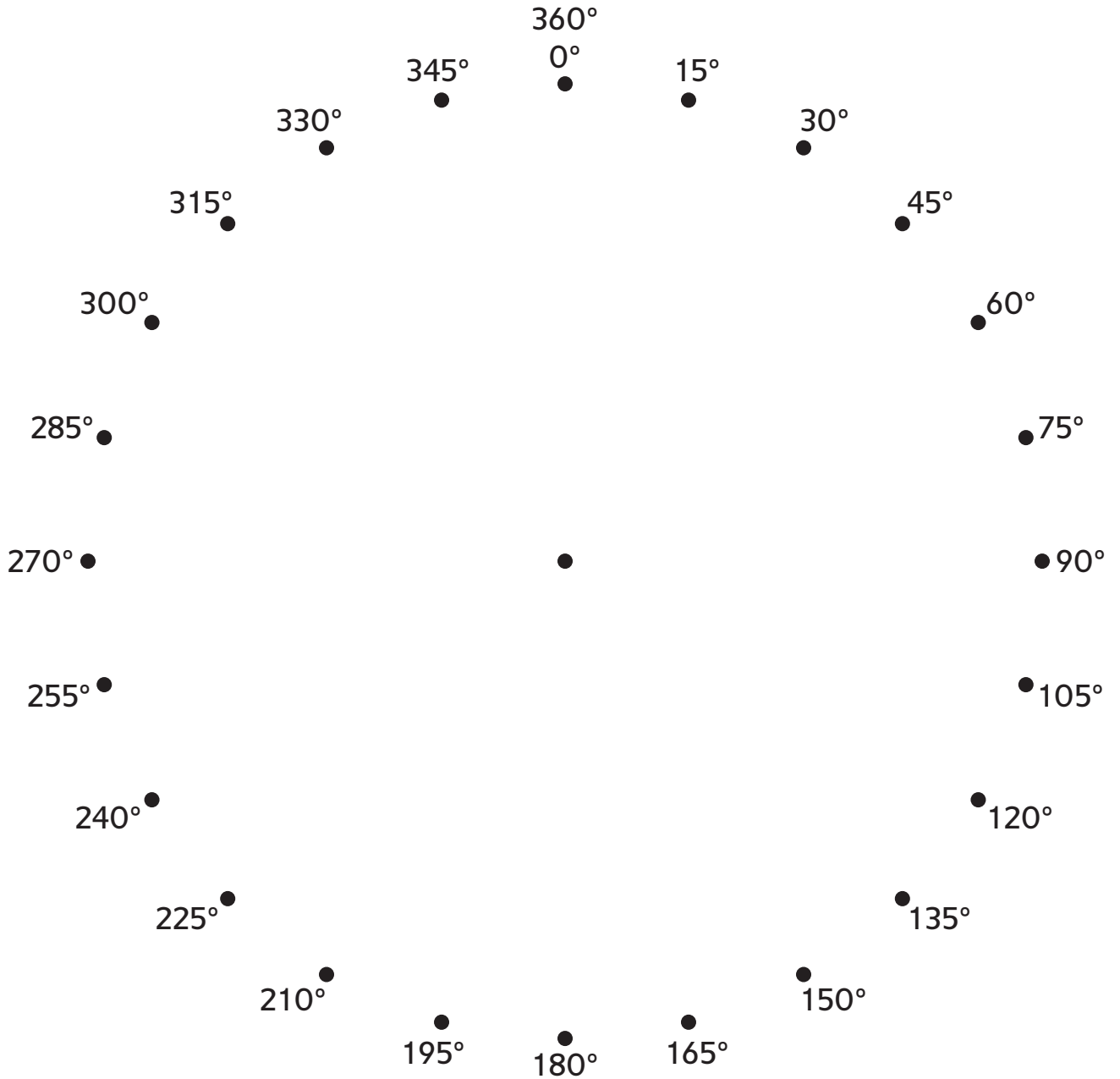
Circular Geoboard Paper



NAME

DATE

TIME



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