

# Instructions for Race to 1

## Materials:

- Race to 1 Game Board inside Clearview pockets or sheet protectors
- dry erase markers
- 2 six sided-dice dice, preferably with digits
- 1 twelve-sided die
- race car cards

**Level I:** Students practice rolling fractions with denominators 1 to 6. Students use equivalent fractions to mark game boards.

Step 1) Distribute one game board and dry erase marker to each student. Show students how to use the board to find equivalent fractions. For example,  $\frac{1}{2} = \frac{2}{4} = \frac{3}{6}$ . Also point out that  $\frac{1}{1} = \frac{2}{2} = \frac{3}{3} = \frac{4}{4} = \frac{5}{5} = \frac{6}{6} = 1$ . Students may write these equivalencies at the bottom of their gameboard.

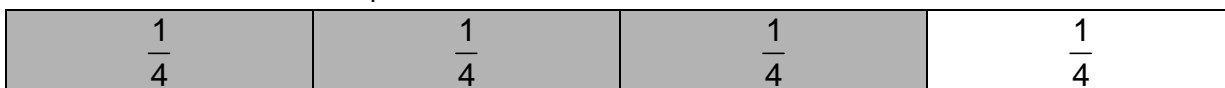
Step 2) One student rolls both 6 sided dice. For example,



Step 3) Have the student create a fraction using the digits. Possible fractions are  $\frac{3}{4}$  or  $\frac{4}{3}$ .

Remind students that the fraction  $\frac{4}{3}$  is greater than 1. Because the object of the game is to race to 1, we will not use fractions greater than 1.

Step 4) Using the fraction  $\frac{3}{4}$ , the student will shade in 3 of the boxes in the fourths bar.



Step 5) Next student rolls both dice and creates a fraction, then shades in the appropriate amount on his or her gameboard. Note: If a student rolls  $\frac{3}{6}$  they may shade in 3 of the sixths boxes or any equivalent fraction. If a student rolls a fraction equaling 1, they can shade in any full bar on the gameboard. Remember, if they have one of the boxes already shaded in, they may not use that bar to shade 1.

Step 6) Play continues with students taking turns rolling the dice. If a student completes one bar on the gameboard, he or she wins a car card.



Step 7) Winner is the 1st student to reach 5 cars. Play can continue if students would like to fill in the complete board. However, this can take a long time.

**Level II:** Students use denominators 1 to 12.

Step 1) Play is the same as described above. However, students use Level II side of the gameboard with 1 six-sided die and 1 twelve-sided die.





$\frac{1}{1}$
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$\frac{1}{2}$	$\frac{1}{2}$
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$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$
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$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
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$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$
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$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$
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$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$
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$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$
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$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$
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$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$
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$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$
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$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$
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Car Cards

