

# Decimal Bingo

**Topic:** Mental Division, Decimal Quotients

**Object:** Cover four numbers in a row.

**Groups:** 2 players

**Materials for each group**

- *Decimal Bingo A or B* gameboard, pp. 78–79
- different kind of markers for each player
- calculator



*Tip* If time is short or when students first learn the game, allow three in a row for a win.

**Directions**

1. The first player selects and announces a dividend and a divisor from each choice box. Once the choices are announced, players may use a calculator or pencil and paper to find the quotient. The first player covers the resulting quotient on the gameboard with his or her marker. When necessary, quotients are rounded to the closest hundredth.
2. The second player selects and announces a dividend and a divisor. The quotient can then be found with a calculator or pencil and paper. If the resulting quotient is not already covered, it is covered by that player's marker.
3. Players continue announcing dividends and divisors, and finding quotients, as they alternate turns.
4. The first player to have four markers in a row horizontally, vertically, or diagonally wins.

Dividend Choices

50	110	200	325	450
----	-----	-----	-----	-----

Divisor Choices

1.5	4.5	5	9	12
-----	-----	---	---	----

24.44	50	9.17	216.67	33.33
22	22.22	40	300	72.22
11.11	133.33	16.67	36.11	100
10	4.17	73.33	90	12.22
5.56	44.44	65	37.5	27.08

**Making Connections**

Promote reflection and make mathematical connections by asking:

- What strategy helped you correctly estimate quotients?
- What strategy helped you line up your markers in a row?

# Decimal Bingo A

## Dividend Choices

<b>50</b>	<b>110</b>	<b>200</b>	<b>325</b>	<b>450</b>
-----------	------------	------------	------------	------------

## Divisor Choices

<b>1.5</b>	<b>4.5</b>	<b>5</b>	<b>9</b>	<b>12</b>
------------	------------	----------	----------	-----------

<b>24.44</b>	<b>50</b>	<b>9.17</b>	<b>216.67</b>	<b>33.33</b>
<b>22</b>	<b>22.22</b>	<b>40</b>	<b>300</b>	<b>72.22</b>
<b>11.11</b>	<b>133.33</b>	<b>16.67</b>	<b>36.11</b>	<b>100</b>
<b>10</b>	<b>4.17</b>	<b>73.33</b>	<b>90</b>	<b>12.22</b>
<b>5.56</b>	<b>44.44</b>	<b>65</b>	<b>37.5</b>	<b>27.08</b>



# Decimal Bingo B

## Dividend Choices

<b>65</b>	<b>140</b>	<b>350</b>	<b>468</b>	<b>696</b>
-----------	------------	------------	------------	------------

## Divisor Choices

<b>3</b>	<b>5.1</b>	<b>8</b>	<b>12</b>	<b>40</b>
----------	------------	----------	-----------	-----------

<b>46.67</b>	<b>156</b>	<b>11.67</b>	<b>17.4</b>	<b>3.5</b>
<b>1.63</b>	<b>8.13</b>	<b>12.75</b>	<b>39</b>	<b>116.67</b>
<b>68.63</b>	<b>87</b>	<b>27.45</b>	<b>17.5</b>	<b>8.75</b>
<b>58.5</b>	<b>21.67</b>	<b>5.42</b>	<b>136.47</b>	<b>58</b>
<b>91.76</b>	<b>11.7</b>	<b>232</b>	<b>29.17</b>	<b>43.75</b>

