

Fraction Fill 1

The object of this game is to be the first team to earn 6 points by filling 6 circles (unit wholes) with fraction pieces. Points are recorded using number sentences to represent each filled circle. This game is for two teams of two players each.

Materials

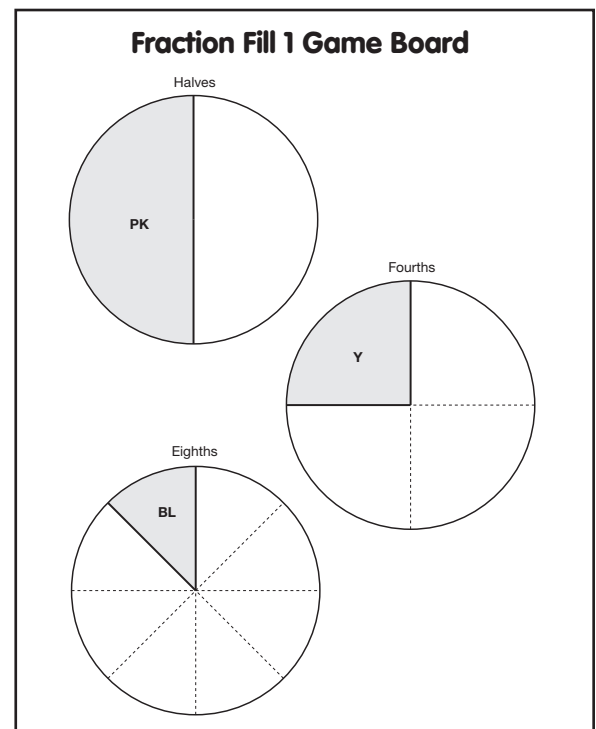
- Pink, yellow, and blue circle pieces from two circle pieces sets
- Fraction Fill 1 Game Board
- Fraction Fill 1 Spinner
- a clear plastic spinner or a paper clip and pencil

Directions

1. For this game, the unit whole is the full circle.
2. To begin, place one piece of each color (pink, yellow, and blue) on the Fraction Fill 1 Game Board as shown.
3. The first team spins one time. The team must place a piece or pieces on the game board equal to the fraction shown on the spinner. For example, if a team spins $\frac{1}{4}$ on the spinner, they can choose to place either 1 yellow or 2 blue pieces.

The outside edges of the pieces must line up with lines on the circle. This means that:

- Only pink pieces will fit in the lines on the halves circle.
- Only pink and yellow pieces can go on the fourths circle.
- Pink, yellow, and blue pieces can go on the eighths circle.

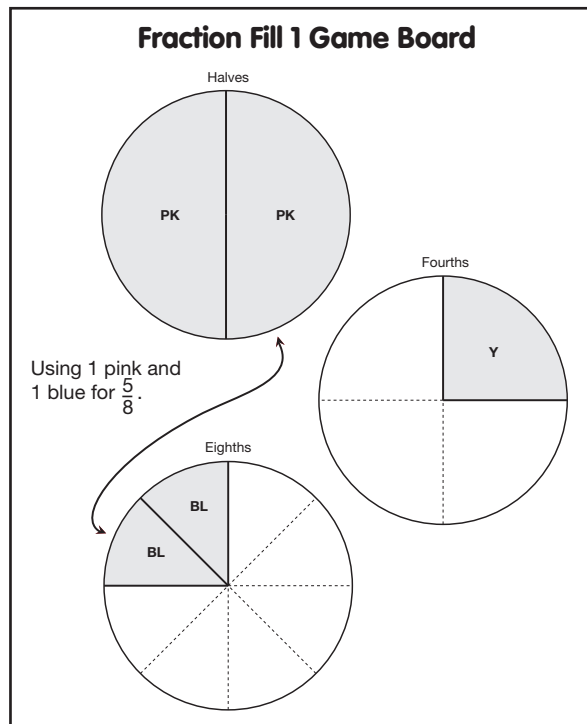
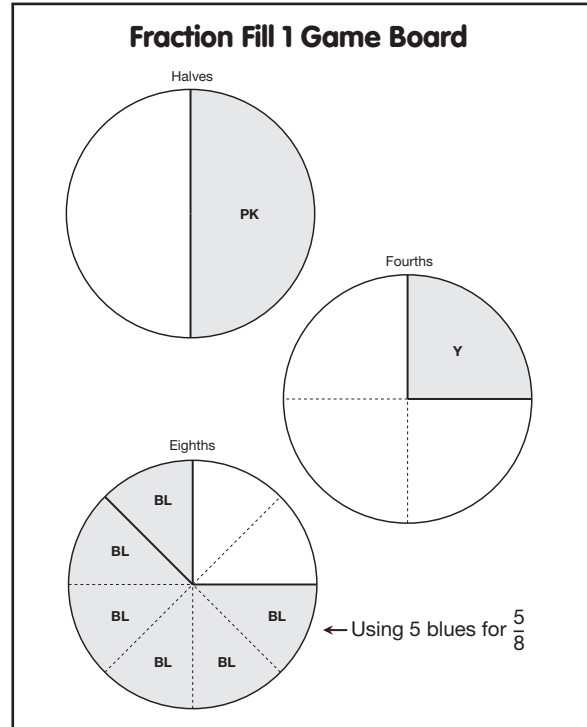


4. Teams earn one point each time they complete a circle. They record their points by writing a number sentence for the completed circle. For example, $\frac{1}{2} + \frac{1}{2} = 1$ or $\frac{1}{2} \times 2 = 1$ represents a filled circle. The other team can ask players to explain why a move is correct before a point is recorded.
5. When a team fills a circle, they cannot use that circle again until their next turn. They remove the pieces, so the circle can be used by the other team.
6. Teams take turns spinning and adding pieces. The first team to earn 6 points wins the game.

Example:

As shown on the sample Game Boards, Team 1 spins $\frac{5}{8}$, they can place 5 blue pieces on the eighths circle. Or, because $\frac{5}{8}$ is the same as $\frac{1}{2} + \frac{1}{8}$, the team can choose to place 1 pink and 1 blue piece on the circles. The pink piece can go on the halves circle and complete a whole to earn a point. The blue piece can go on the eighths circle. To record their point, the team writes $\frac{1}{2} + \frac{1}{8} = 1$.

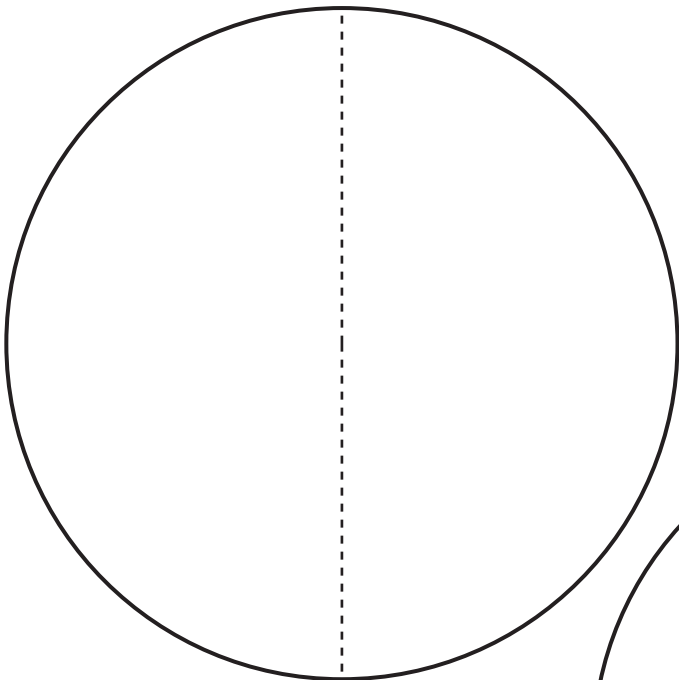
Team 1 takes off the pink pieces, so Team 2 can use the halves circle on their turn.



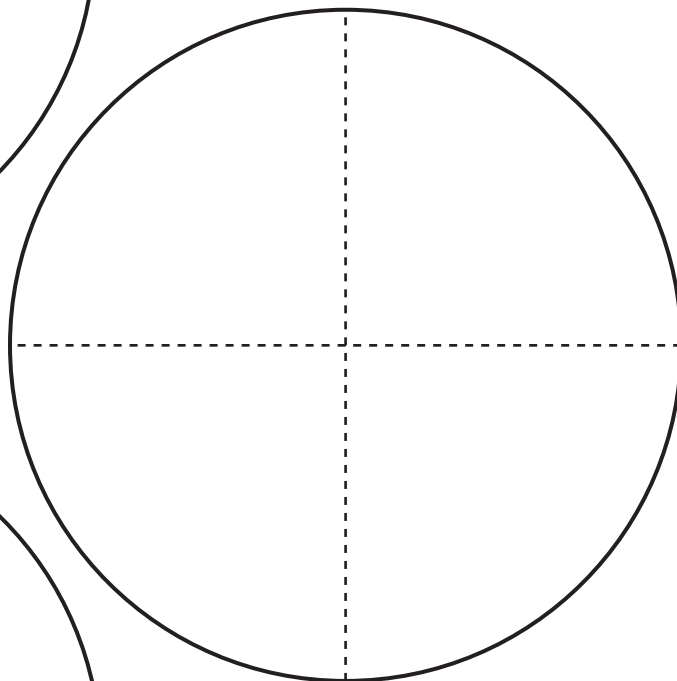
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Fraction Fill 1 Game Board

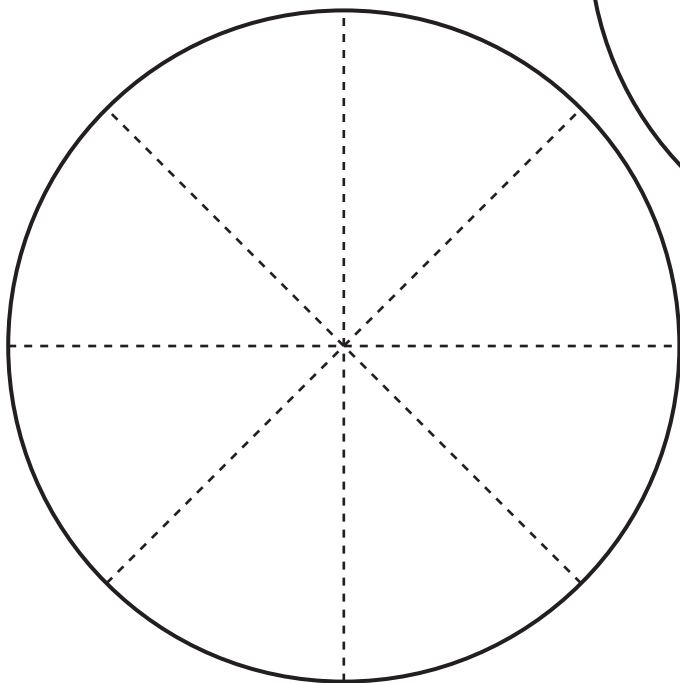
Halves



Fourths

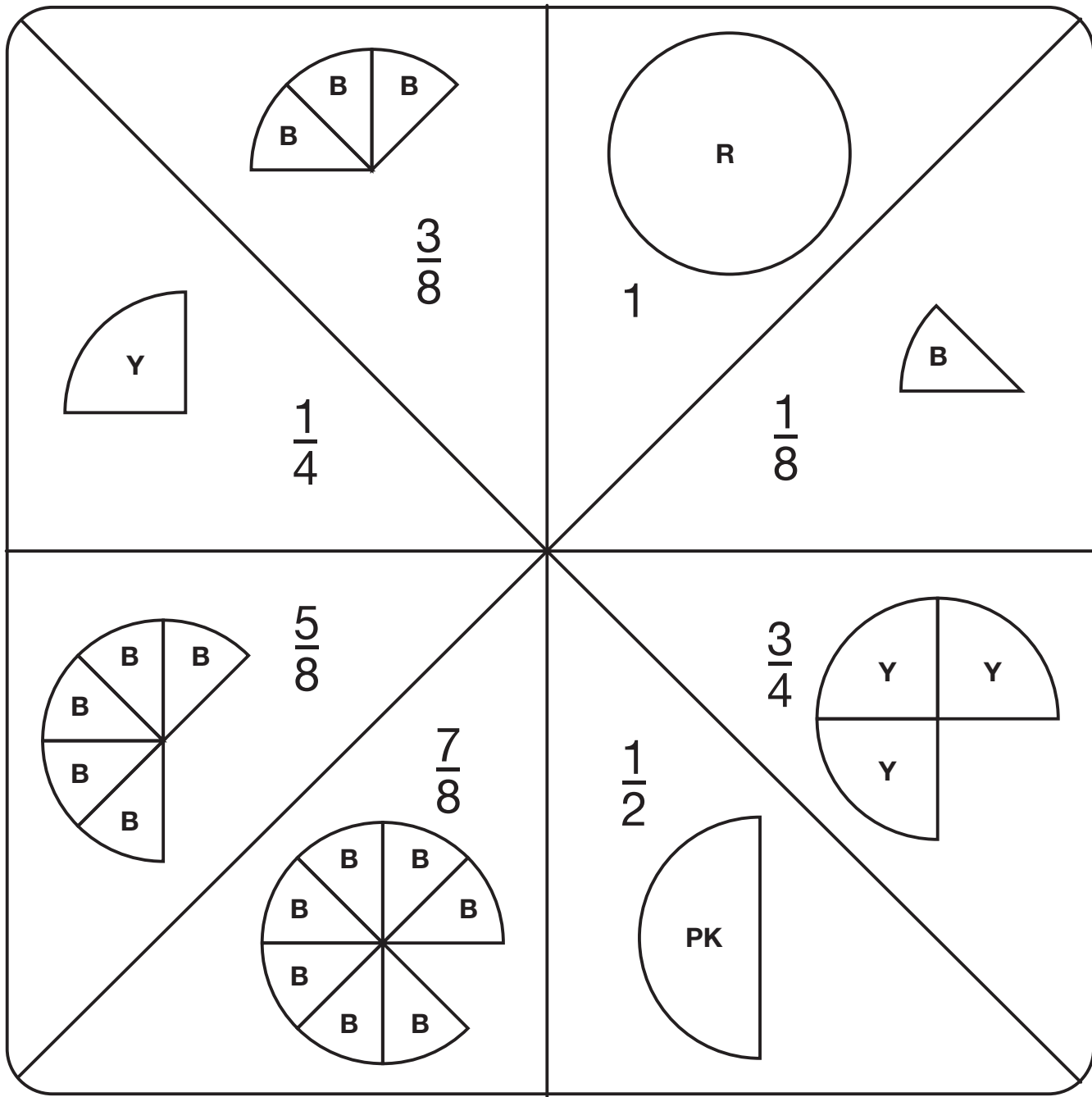


Eighths



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Fraction Fill 1 Spinner



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