

Get to 30!

Materials:

1. Fraction Cards: Set of unit fraction cards (2 sets of each: halves, fourths, thirds, sixths, eighths)
2. Containers for each pair or small group (small bowls, margarine containers, Ziplocks, etc.)
3. Label containers 1-10.
4. Counters such as paper clips, beans, pennies, buttons, plastic animals, 2-color counters, etc.

Container Number	# of Objects	Container Number	# of Objects
1	18	6	24
2	24	7	32
3	12	8	18
4	16	9	30
5	30	10	12

Directions: This game can be played with a Team of 2 partners versus a Team of 2 partners or one player versus one player.

1. Each player (or team) should select one of the containers. Place the cards face down in a draw pile.
2. Decide which player goes first.
3. Player 1 selects one card.
4. Player 1 determines if he/she can equally partition or divide the set of counters into the fractional part indicated on the card. Player must partition collection into equal sets, if possible.
5. If player 1 is able to do this, the player receives the number of points equal to the number in one set.

Example: If player 1 has a container of 12 objects and draws a *fourth*, the player partitions the 12 objects into four groups.



Player 1 will receive 3 points (number of objects in one set.)

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6. If a player is not able to create equal sets, the player receives 0 points.
7. After each play, the player returns the cards to the bottom of the stack of cards.
8. Player 2 selects a card.
9. Player 2 determines if he/she can equally partition or divide the set of counters into the fractional part indicated on the card.
10. Follow the rules above.
11. The player who draws the Wild Card can determine how to divide the set.
12. After both players have played four rounds, each player puts the objects back into their containers. All four rounds are played with the same container.
13. After four rounds, both players can choose a new container and continue playing the game.
14. The winner is the player who scores 30 points first or who has the highest total when time is over.

Two sets of cards are provided for this game. The teacher needs to decide which set to use. One set has the unit fraction written (one-half). The other set has the denominator written (halves, fourths, etc.)

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Get to 30! Cards	one-eighth	one-eighth
one-fourth	one-half	Wild Card
one-third	one-fourth	one-sixth
one-sixth	one-third	one-half

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Get to 30! Card	thirds	fourths
sixths	eighths	Wild Card
halves	thirds	fourths
sixths	eighths	halves