

## Sets of Twenty-Four

### Materials:

Set of Fractional Part Cards

Counters. Cubes. Pennies (24 per player)

Players: 2 – 4

### Directions:

Fractional Part Cards turned face down

Set of 24 objects for each player

1. Each player should have a set of 24 objects.
2. Each player draws a card at the same time.
3. Each player divides his/her set of 24 into fractional parts as indicated by the card.
4. Each player shows partner(s) his/her solution.
5. Example: If a player draws two-thirds, player partitions the set of 24 into three equal sets and determines the number of objects in two-thirds of 24.

(Player should have 3 sets with 8 in each set. Answer for  $\frac{2}{3}$  of 24 is 16.

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XXXXXXXX

XXXXXXXX

6. If player 2 draws three-fourths then he/she divides the set of 24 into four equal sets. Player 2 determines the number of objects in three-fourths of 24 as 18.
7. For each round, the player with the most objects that match the card drawn by the player wins one point.
8. In the round above, Player 1 has 16 objects and Player 2 has 18 objects. Player 2 wins 1 point for the round.
9. After 5 rounds, the player with the most points wins the game.

**Variation:** Players can play the game by playing with a different number of counters. Remove the cards that will not allow them to partition the set. For example: If 32 counters are used, removed eighths and sixths from the set of cards.

## Sets of 24 Cards

<b>one-half</b> *	<b>two-fourths</b>	<b>three-sixths</b>
<b>one-fourth</b> *	<b>two-eighths</b>	<b>three-thirds</b>
<b>one-third</b> *	<b>two-sixths</b>	<b>four-fourths</b>
<b>one-sixth</b> *	<b>two-thirds</b>	<b>four-eighths</b>

<b>one-eighth</b> *	<b>three-fourths</b>	<b>four-sixths</b>
<b>two-halves</b>	<b>three-eighths</b>	<b>five-sixths</b>
<b>five-eighths</b>	<b>six-sixths</b>	<b>seven-eighths</b>
		<b>eight-eighths</b>