

# FRACTION GRABBER v1

*Fraction Grabber is a fun fraction game which aims to get children to think about fractions and what properties they have. The fractions shown are all fractions of shapes and concepts such as equivalence to a half are explored.*

**Level of difficulty:** ①

**Number of players:** 2-3

**Learning:** *fractions of shapes, vocabulary: equivalent to, thirds, quarters, sixths, eighths*

**You will need:**

- 1 dice
- Each player will need about 12 counters of their own color.

**Instructions**

- Player 1 rolls the dice and looks at the table on the Fraction Grabber board to tell them what shape property to find.
- Player 1 must place a counter on a shape which matches the property they need. This is called a Fraction Grab!
- If Player 1 is unable to match a fraction, or makes a mistake with their fraction, then they do not place a counter.
- Player 2 (and any other players) repeat this.
- Players can only grab a fraction which does not already have a counter on.
- Players can only grab **one** shape each turn!
- The winner is the player who has placed the most counters when all the shapes have been grabbed (covered up).

**Example:**

Player 1 rolls a 1 and covers up the first square on the second row.

Player 2 rolls a 2 and covers up the first square in the bottom row, as it is equivalent to a half.

**Variations**

- Alternative playing strategy:
  - Each player is able to place their own counter on any shape, even if another player has already placed a counter on it. The winner is the first player to place all 12 counters on different shapes.
- Alternative winning strategy:
  - The winner is the first player to get three counters placed in a row, horizontally, vertically or diagonally.



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CAN YOU GRAB A SHAPE WHICH ...?

<p><b>1</b> has not been split into equal size parts.</p>	<p><b>2</b> has been exactly <math>\frac{1}{2}</math> shaded.</p>	<p><b>3</b> is more than <math>\frac{1}{2}</math> shaded.</p>	<p><b>4</b> is less than <math>\frac{1}{2}</math> shaded.</p>	<p><b>5</b> has been split into quarters or eighths.</p>	<p><b>6</b> has been split into thirds or sixths.</p>
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