

SHADE THE FRACTION WALL

GROUPING: group of 4 students working in pairs to challenge the other pair.

TIME ALLOWED: 15 minutes.

EQUIPMENT

- colour pencil or highlighter – one per pair
- lead pencil and maths book – per student (optional)
- *Shade the Fraction Wall gameboard* 2 sheet– one per pair
- two dice (each a different colour) – per group of four
 - : numerator die (1, 2, 2, 3, 3, 4) indicating the number to be placed in the square on the other die.
 - : denominator die ($\square/2$, $\square/3$, $\square/4$, $\square/6$, $\square/8$, $\square/12$).

INSTRUCTIONS

1. To start, each pair rolls the numerator die (1, 2, 2, 3, 3, 4). The pair with the highest number goes first.
2. MAKE IT: The first pair rolls both dice to make a fraction.
3. SAY IT: Say the fraction made and what you will shade eg. If rolled $2/4$: "We rolled two-fourths. We will shade two of four equal parts"
4. DRAW IT: Shade the parts on your gameboard.
5. WRITE IT (optional): Write a number sentence in your maths book to describe what you shaded eg. $2/4 = 1/4 + 1/4$
6. WINNING TEAM: The first pair to shade all the fraction pieces on their game board wins.

SHADE THE FRACTION WALL AGAIN

GROUPING: group of 4 students working in pairs to challenge the other pair.

TIME ALLOWED: 15 minutes.

EQUIPMENT

- colour pencil or highlighter – one per pair
- lead pencil and maths book – per student (optional)
- *Shade the Fraction Wall gameboard* 2 sheet– one per pair
- two dice (each a different colour) – per group of four
 - : numerator die (1, 2, 2, 3, 3, 4) indicating the number to be placed in the square on the other die.
 - : denominator die ($\square/2$, $\square/3$, $\square/4$, $\square/6$, $\square/8$, $\square/12$).

INSTRUCTIONS

1. To start, each pair rolls the numerator die (1, 2, 2, 3, 3, 4). The pair with the highest number goes first.
2. MAKE IT: The first pair rolls both dice to make a fraction.
3. SAY IT: Say the fraction made **and any equivalent fractions** eg. If rolled $\frac{2}{4}$: “We rolled two-fourths. That’s the same as: one-half or three-sixths or four-eighths, or six-twelfths”.
4. SAY IT: Explain what you will shade eg. If rolled $\frac{2}{4}$: “ $\frac{2}{4} = \frac{1}{2}$. We will shade one of two equal parts” eg. If rolled $\frac{2}{4}$: “ $\frac{2}{4} = \frac{1}{4} + \frac{1}{8} + \frac{1}{8}$. We will shade $\frac{1}{4}$ and $\frac{1}{8}$ and $\frac{1}{8}$ ”.
5. DRAW IT: Shade the parts to total the fraction rolled.
6. WRITE IT (optional): Write a number sentence in your maths book to describe what you shaded eg. $\frac{2}{4} = \frac{1}{4} + \frac{1}{8} + \frac{1}{8}$
7. WINNING TEAM: The first pair to shade all the fraction pieces on their game board wins.