

# SHADE THE FRACTION WALL - gameboard 1


**GROUPING:** small group of 4 students - playing in pairs against the other pair.

**TIME ALLOWED:** 15 minutes.

## INSTRUCTIONS

1. To start, each pair rolls the numerator die (1, 2, 2, 3, 3, 4). Pair with the highest number goes first.
2. Roll both dice.
3. Say the fraction formed out loud eg. If rolled  $\frac{2}{4}$  "Two-fourths. This means I can shade two of four equal parts".
4. Shade the fraction formed on the gameboard with a coloured pencil.
5. All players must agree the fraction shaded is correct before the next pair has their turn.
6. The first pair to completely shade all the fraction strips on their gameboard wins.

## EQUIPMENT

- *Shade The Fraction* gameboard 1 – one per pair
- Coloured pencil – one per pair.
- Two dice – per group of 4
  - : numerator dice (1, 2, 2, 3, 3, 4) showing the number to be placed in the box on the other die.
  - : denominator dice ( $\square/2$ ,  $\square/3$ ,  $\square/4$ ,  $\square/6$ ,  $\square/8$ ,  $\square/12$ ).

# SHADE THE FRACTION WALL - gameboard 2


**GROUPING:** small group of 4 students - playing in pairs against the other pair.

**TIME ALLOWED:** 15 minutes.

## INSTRUCTIONS

- To start, each pair rolls the numerator die (1, 2, 2, 3, 3, 4). Pair with the highest number goes first.
- Roll both dice.
- Say the fraction formed out loud **and any equivalent fractions** eg. If rolled  $\frac{2}{4}$  "Two-fourths. This means I can shade two of four equal parts. It also means one-half, three-sixths, four-eighths, six-twelfths".
- Shade the fraction formed (**or its equivalent, or a combination of strips**) on your gameboard. Explain what you are shading. eg. If rolled  $\frac{2}{4}$  " $\frac{2}{4} = \frac{1}{2}$ . I am shading one of two equal parts" eg. If rolled  $\frac{2}{4}$  "I am shading  $\frac{1}{4}$  and  $\frac{1}{8}$  and  $\frac{1}{8}$ ".
- All players must agree the fraction shaded is correct before the next pair has their turn.
- The first pair to completely shade all the fraction strips on their gameboard wins.

## EQUIPMENT

- *Shade The Fraction* gameboard 2 – one per pair
- Coloured pencil – one per pair
- Two dice – per group of 4
  - : numerator dice (1, 2, 2, 3, 3, 4) showing the number to be placed in the box on the other die.
  - : denominator dice ( $\frac{\square}{2}$ ,  $\frac{\square}{3}$ ,  $\frac{\square}{4}$ ,  $\frac{\square}{6}$ ,  $\frac{\square}{8}$ ,  $\frac{\square}{12}$ ).