

Fraction Product Game

Adapted from Connected Mathematics Project's Product Game. Cover any fraction equivalent to your product. 1st player covers a product, then players take turns moving one factor and covering the new product. Four in a row wins! (Horizontally, vertically, or on a diagonal.) Both factors can be the same, like $\frac{1}{4} \times \frac{1}{4}$.

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|-----------------|-----------------|-----------------|----------------|----------------|-----------------|
| $\frac{1}{36}$ | $\frac{5}{36}$ | $\frac{25}{36}$ | $\frac{1}{24}$ | $\frac{2}{24}$ | $\frac{3}{24}$ |
| $\frac{5}{24}$ | $\frac{10}{24}$ | $\frac{15}{24}$ | $\frac{1}{18}$ | $\frac{2}{18}$ | $\frac{5}{18}$ |
| $\frac{10}{18}$ | $\frac{1}{16}$ | $\frac{2}{16}$ | $\frac{3}{16}$ | $\frac{4}{16}$ | $\frac{6}{16}$ |
| $\frac{9}{16}$ | $\frac{1}{12}$ | $\frac{2}{12}$ | $\frac{3}{12}$ | $\frac{4}{12}$ | $\frac{5}{12}$ |
| $\frac{6}{12}$ | $\frac{1}{9}$ | $\frac{2}{9}$ | $\frac{4}{9}$ | $\frac{1}{8}$ | $\frac{2}{8}$ |
| $\frac{3}{8}$ | $\frac{1}{6}$ | $\frac{2}{6}$ | $\frac{5}{6}$ | $\frac{1}{4}$ | $\frac{2}{4}$ |
| $\frac{3}{4}$ | $\frac{1}{3}$ | $\frac{2}{3}$ | $\frac{1}{2}$ | 1 | $\frac{18}{36}$ |

| | | | | | | | | |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------|
| $\frac{1}{2}$ | $\frac{1}{3}$ | $\frac{2}{3}$ | $\frac{1}{4}$ | $\frac{2}{4}$ | $\frac{3}{4}$ | $\frac{1}{6}$ | $\frac{5}{6}$ | 1 |
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