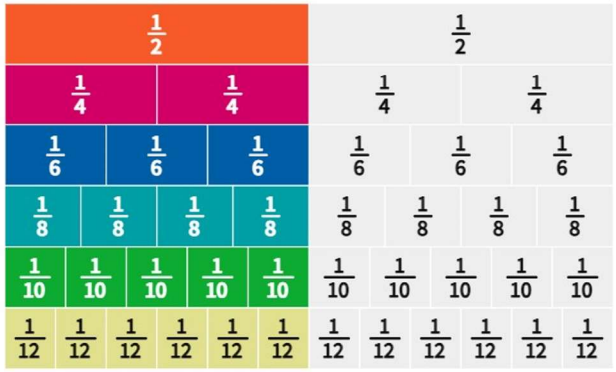
Finding Equivalent Fractions

Equivalent fractions have the same value even though they have different numerators and denominators.

To find equivalent fractions :

1. Use a fraction wall or a drawing to represent different fractions.
2. Locate the fraction on the fraction wall.
3. Draw a vertical line to the right of the fraction.
4. Any equivalent fractions will be aligned to this line.
5. This is the same as multiplication. When you multiply both the numerator and the denominator by the same number, you create an equivalent fraction.

Example: Fractions equivalent to one half



x 6

$$\frac{1}{2} = \frac{6}{12}$$

x 6

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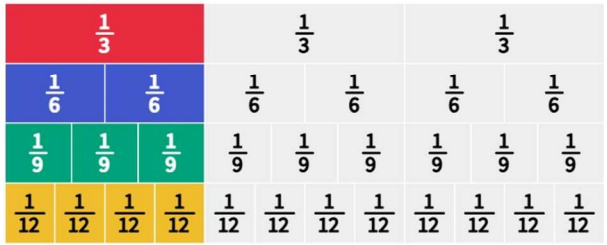
Equivalent fractions have the same value even though they have different numerators and denominators.

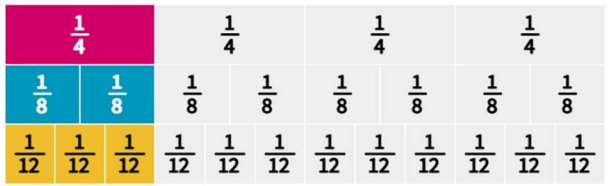
Example: Fractions equivalent to one third



$$\frac{1}{3} = \frac{2}{6}$$

x 2 (top) x 2 (bottom)

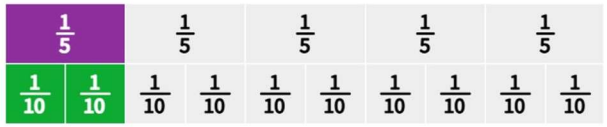
Example: Fractions equivalent to one quarter



$$\frac{1}{2} = \frac{6}{12}$$

x 6 (top) x 6 (bottom)

Example: Fractions equivalent to one fifth

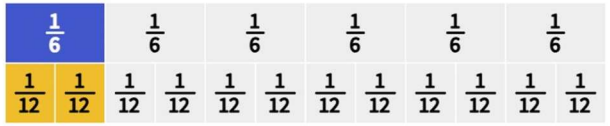


$$\frac{1}{5} = \frac{2}{10}$$

x 2 (top) x 2 (bottom)

Images made using the free virtual manipulatives available at Polypad, by Amplify.

Example: Fractions equivalent to one sixth



$$\frac{1}{6} = \frac{2}{12}$$

x 2 (top) x 2 (bottom)

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