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**Equivalent Fractions**

The fractions having the same value are called equivalent fractions. Their numerator and denominator can be different but, they represent the same part of a whole.

Consider the following:

**1/2**

*Shaded to whole shape is half to whole*             i.e., 1/2

 **2/4**

*Shaded to whole shape is 2 to fourth*                   i.e., 2/4 = 1/2

 **4/8**

*Shaded to whole shape is 4 to eighth*                   i.e., 4/8 = 1/2



*Shaded to whole shape is 8 to sixteenth*              i.e., 8/16 = ½

So, 1/2, 2/4, 4/8, 8/16 are equivalent fractions.

Building Equivalent Fractions:

**1.**Change 2/5 to an equivalent fraction with denominator 15.



Multiply numerator and denominator by the same number to get the required denominator.

**2.**Change 9/12 to an equivalent fraction with denominator 4.



To find an equivalent fraction with smaller denominator, you can divide the numerator and denominator with the same number.

**3.**We can build equivalent fraction with multiples of numerator and denominator.

Write the next three equivalent fractions.

