**Equivalent Fractions**

Two fractions are equivalent if they are reducible to the same rational number.

E.g. 2/4 and 4/8 are equivalent since both represent the rational number 1/2.

This can be shown graphically:



The following are all equivalent to 1/2.

1 1 x 2 = 2 1 1 x 3 = 3 1 1 x 5 = 5

2 2 x 2 4 2 2 x 3 6 2 2 x 5 10

by multiplying (or dividing) the numerator and denominators by a whole number we obtain an equivalent fraction. Note that the numerators and denominators must always be whole numbers.

Try to reduce these fractions to their lowest possible terms:

(e.g. 4/8 reduces to 1/2)

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| --- | --- |
| 1. 3/6
2. 5/15
3. 6/24
4. 2/42
5. 2/18
6. 4/10
7. 8/28
8. 12/20
9. 6/9
10. 20/35
 | 1. 14/16
2. 15/18
3. 27/36
4. 90/100
5. 36/84
6. 45/25
7. 65/60
8. 72/48
9. 42/42
10. 1008/24
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