

Converting Fractions to Decimals – 2 Methods

I. Equivalent Fractions: If possible, make an equivalent fraction whose denominator is a power of 10. The denominator will tell how many digits are to the right of the decimal point.

II. Long Division: Divide the numerator by the denominator.

Example: Convert $\frac{3}{25}$ to a decimal.

$$\frac{3}{25} = \frac{12}{100}$$

Since the denominator is 100, two digits are needed to the right of the decimal point.

Therefore, $\frac{3}{25} = .12$

Convert to decimals.

1. $\frac{1}{2}$

2. $\frac{3}{5}$

3. $\frac{5}{8}$

4. $\frac{7}{10}$

5. $\frac{3}{4}$

6. $\frac{8}{25}$

7. $\frac{7}{8}$

8. $\frac{4}{5}$

9. $\frac{1}{10}$

10. $\frac{13}{20}$

11. $\frac{3}{100}$

12. $\frac{3}{8}$

13. $\frac{1}{4}$

14. $\frac{5}{12}$

15. $\frac{1}{32}$

