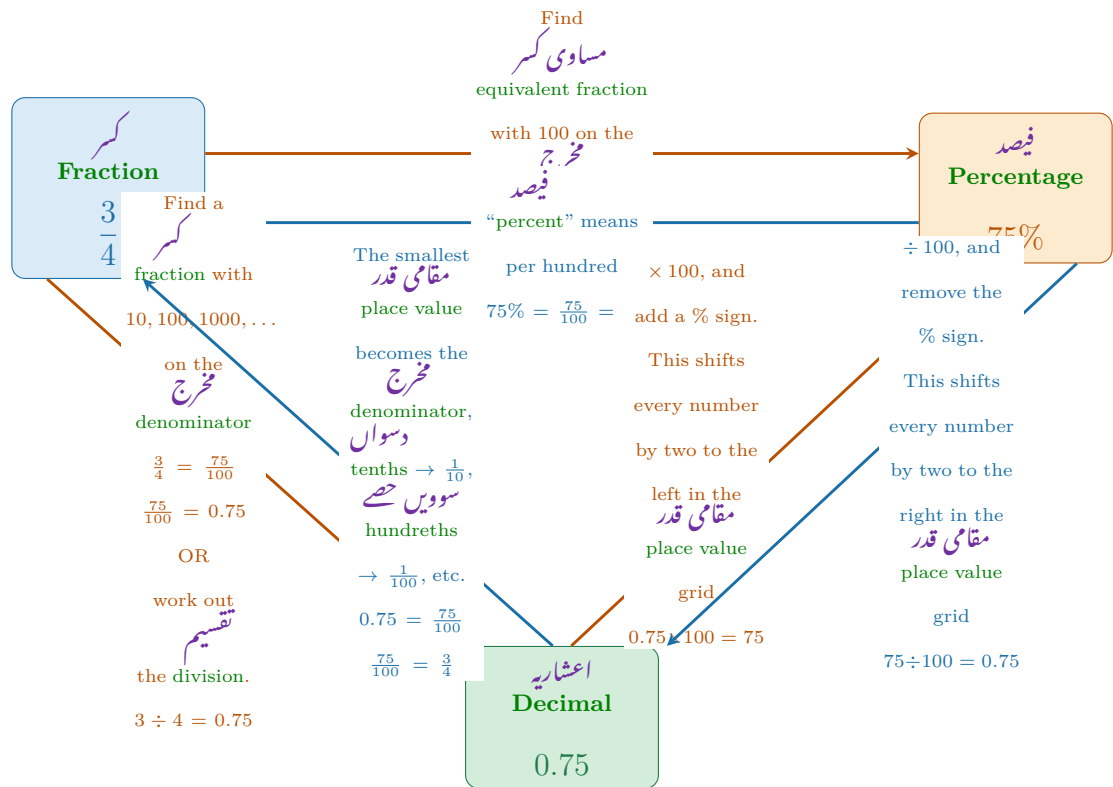


# Fractions, Decimals & Percentages



## Place Value

| Whole numbers (مکمل اعداد) |           |          |        |        | Parts of a whole (حصوں کا مجموعہ) |                 |                  |                   |
|----------------------------|-----------|----------|--------|--------|-----------------------------------|-----------------|------------------|-------------------|
| Ten-thousands              | Thousands | Hundreds | Tens   | Units  | Tenths                            | Hundredths      | Thousandths      | Ten-thousandths   |
| $10^4$                     | $10^3$    | $10^2$   | $10^1$ | $10^0$ | $10^{-1}$                         | $10^{-2}$       | $10^{-3}$        | $10^{-4}$         |
| 10000                      | 1000      | 100      | 10     | 1      | $\frac{1}{10}$                    | $\frac{1}{100}$ | $\frac{1}{1000}$ | $\frac{1}{10000}$ |
| 0                          | 0         | 0        | 0      | 0      | 7                                 | 5               | 0                | 0                 |
| 5                          | 4         | 3        | 2      | 1      | 9                                 | 8               | 7                | 6                 |

Key Conversions

| كسر                | اعشارية           | %               |
|--------------------|-------------------|-----------------|
| Fraction           | Decimal           | %               |
| 100                | 100               | 10,000%         |
| 10                 | 10                | 1000%           |
| 1                  | 1                 | 100%            |
| $\frac{1}{10}$     | 0.1               | 10%             |
| $\frac{1}{100}$    | 0.01              | 1%              |
| $\frac{1}{1000}$   | 0.001             | 0.1%            |
| $\frac{1}{10,000}$ | 0.0001            | 0.01%           |
| $\frac{1}{2}$      | 0.5               | 50%             |
| $\frac{1}{3}$      | 0. $\dot{3}$      | 33. $\dot{3}$ % |
| $\frac{2}{3}$      | 0. $\dot{6}$      | 66. $\dot{6}$ % |
| $\frac{1}{4}$      | 0.25              | 25%             |
| $\frac{3}{4}$      | 0.75              | 75%             |
| $\frac{1}{5}$      | 0.2               | 20%             |
| $\frac{1}{6}$      | 0.1 $\dot{6}$     | 16. $\dot{6}$ % |
| $\frac{1}{7}$      | 0.14285 $\dot{7}$ | 14.28...%       |
| $\frac{1}{8}$      | 0.125             | 12.5%           |
| $\frac{1}{9}$      | 0.1 $\dot{1}$     | 11. $\dot{1}$ % |
| $\frac{1}{20}$     | 0.05              | 5%              |
| $\frac{1}{25}$     | 0.04              | 4%              |
| $\frac{1}{50}$     | 0.02              | 2%              |

More Examples

