

# Addition Facts



$$\begin{array}{l} 1 + 1 = 2 \\ 1 + 2 = 3 \\ 1 + 3 = 4 \\ 1 + 4 = 5 \\ 1 + 5 = 6 \\ 1 + 6 = 7 \\ 1 + 7 = 8 \\ 1 + 8 = 9 \\ 1 + 9 = 10 \end{array}$$

$$\begin{array}{l} 2 + 1 = 3 \\ 2 + 2 = 4 \\ 2 + 3 = 5 \\ 2 + 4 = 6 \\ 2 + 5 = 7 \\ 2 + 6 = 8 \\ 2 + 7 = 9 \\ 2 + 8 = 10 \\ 2 + 9 = 11 \end{array}$$

$$\begin{array}{l} 3 + 1 = 4 \\ 3 + 2 = 5 \\ 3 + 3 = 6 \\ 3 + 4 = 7 \\ 3 + 5 = 8 \\ 3 + 6 = 9 \\ 3 + 7 = 10 \\ 3 + 8 = 11 \\ 3 + 9 = 12 \end{array}$$

$$\begin{array}{l} 4 + 1 = 5 \\ 4 + 2 = 6 \\ 4 + 3 = 7 \\ 4 + 4 = 8 \\ 4 + 5 = 9 \\ 4 + 6 = 10 \\ 4 + 7 = 11 \\ 4 + 8 = 12 \\ 4 + 9 = 13 \end{array}$$

$$\begin{array}{l} 5 + 1 = 6 \\ 5 + 2 = 7 \\ 5 + 3 = 8 \\ 5 + 4 = 9 \\ 5 + 5 = 10 \\ 5 + 6 = 11 \\ 5 + 7 = 12 \\ 5 + 8 = 13 \\ 5 + 9 = 14 \end{array}$$

$$\begin{array}{l} 6 + 1 = 7 \\ 6 + 2 = 8 \\ 6 + 3 = 9 \\ 6 + 4 = 10 \\ 6 + 5 = 11 \\ 6 + 6 = 12 \\ 6 + 7 = 13 \\ 6 + 8 = 14 \\ 6 + 9 = 15 \end{array}$$

$$\begin{array}{l} 7 + 1 = 8 \\ 7 + 2 = 9 \\ 7 + 3 = 10 \\ 7 + 4 = 11 \\ 7 + 5 = 12 \\ 7 + 6 = 13 \\ 7 + 7 = 14 \\ 7 + 8 = 15 \\ 7 + 9 = 16 \end{array}$$

$$\begin{array}{l} 8 + 1 = 9 \\ 8 + 2 = 10 \\ 8 + 3 = 11 \\ 8 + 4 = 12 \\ 8 + 5 = 13 \\ 8 + 6 = 14 \\ 8 + 7 = 15 \\ 8 + 8 = 16 \\ 8 + 9 = 17 \end{array}$$

$$\begin{array}{l} 9 + 1 = 10 \\ 9 + 2 = 11 \\ 9 + 3 = 12 \\ 9 + 4 = 13 \\ 9 + 5 = 14 \\ 9 + 6 = 15 \\ 9 + 7 = 16 \\ 9 + 8 = 17 \\ 9 + 9 = 18 \end{array}$$

# Subtraction Facts



$$\begin{array}{l} 1 - 1 = 0 \\ 2 - 1 = 1 \\ 3 - 1 = 2 \\ 4 - 1 = 3 \\ 5 - 1 = 4 \\ 6 - 1 = 5 \\ 7 - 1 = 6 \\ 8 - 1 = 7 \\ 9 - 1 = 8 \\ 10 - 1 = 9 \end{array}$$

$$\begin{array}{l} 2 - 2 = 0 \\ 3 - 2 = 1 \\ 4 - 2 = 2 \\ 5 - 2 = 3 \\ 6 - 2 = 4 \\ 7 - 2 = 5 \\ 8 - 2 = 6 \\ 9 - 2 = 7 \\ 10 - 2 = 8 \\ 11 - 2 = 9 \end{array}$$

$$\begin{array}{l} 3 - 3 = 0 \\ 4 - 3 = 1 \\ 5 - 3 = 2 \\ 6 - 3 = 3 \\ 7 - 3 = 4 \\ 8 - 3 = 5 \\ 9 - 3 = 6 \\ 10 - 3 = 7 \\ 11 - 3 = 8 \\ 12 - 3 = 9 \end{array}$$

$$\begin{array}{l} 4 - 4 = 0 \\ 5 - 4 = 1 \\ 6 - 4 = 2 \\ 7 - 4 = 3 \\ 8 - 4 = 4 \\ 9 - 4 = 5 \\ 10 - 4 = 6 \\ 11 - 4 = 7 \\ 12 - 4 = 8 \\ 13 - 4 = 9 \end{array}$$

$$\begin{array}{l} 5 - 5 = 0 \\ 6 - 5 = 1 \\ 7 - 5 = 2 \\ 8 - 5 = 3 \\ 9 - 5 = 4 \\ 10 - 5 = 5 \\ 11 - 5 = 6 \\ 12 - 5 = 7 \\ 13 - 5 = 8 \\ 14 - 5 = 9 \end{array}$$

$$\begin{array}{l} 6 - 6 = 0 \\ 7 - 6 = 1 \\ 8 - 6 = 2 \\ 9 - 6 = 3 \\ 10 - 6 = 4 \\ 11 - 6 = 5 \\ 12 - 6 = 6 \\ 13 - 6 = 7 \\ 14 - 6 = 8 \\ 15 - 6 = 9 \end{array}$$

$$\begin{array}{l} 7 - 7 = 0 \\ 8 - 7 = 1 \\ 9 - 7 = 2 \\ 10 - 7 = 3 \\ 11 - 7 = 4 \\ 12 - 7 = 5 \\ 13 - 7 = 6 \\ 14 - 7 = 7 \\ 15 - 7 = 8 \\ 16 - 7 = 9 \end{array}$$

$$\begin{array}{l} 8 - 8 = 0 \\ 9 - 8 = 1 \\ 10 - 8 = 2 \\ 11 - 8 = 3 \\ 12 - 8 = 4 \\ 13 - 8 = 5 \\ 14 - 8 = 6 \\ 15 - 8 = 7 \\ 16 - 8 = 8 \\ 17 - 8 = 9 \end{array}$$

$$\begin{array}{l} 9 - 9 = 0 \\ 10 - 9 = 1 \\ 11 - 9 = 2 \\ 12 - 9 = 3 \\ 13 - 9 = 4 \\ 14 - 9 = 5 \\ 15 - 9 = 6 \\ 16 - 9 = 7 \\ 17 - 9 = 8 \\ 18 - 9 = 9 \end{array}$$

# Multiplication Facts



$$\begin{array}{l} 1 \times 0 = 0 \\ 1 \times 1 = 1 \\ 1 \times 2 = 2 \\ 1 \times 3 = 3 \\ 1 \times 4 = 4 \\ 1 \times 5 = 5 \\ 1 \times 6 = 6 \\ 1 \times 7 = 7 \\ 1 \times 8 = 8 \\ 1 \times 9 = 9 \\ 1 \times 10 = 10 \\ 1 \times 11 = 11 \\ 1 \times 12 = 12 \end{array}$$

$$\begin{array}{l} 2 \times 0 = 0 \\ 2 \times 1 = 2 \\ 2 \times 2 = 4 \\ 2 \times 3 = 6 \\ 2 \times 4 = 8 \\ 2 \times 5 = 10 \\ 2 \times 6 = 12 \\ 2 \times 7 = 14 \\ 2 \times 8 = 16 \\ 2 \times 9 = 18 \\ 2 \times 10 = 20 \\ 2 \times 11 = 22 \\ 2 \times 12 = 24 \end{array}$$

$$\begin{array}{l} 3 \times 0 = 0 \\ 3 \times 1 = 3 \\ 3 \times 2 = 6 \\ 3 \times 3 = 9 \\ 3 \times 4 = 12 \\ 3 \times 5 = 15 \\ 3 \times 6 = 18 \\ 3 \times 7 = 21 \\ 3 \times 8 = 24 \\ 3 \times 9 = 27 \\ 3 \times 10 = 30 \\ 3 \times 11 = 33 \\ 3 \times 12 = 36 \end{array}$$

$$\begin{array}{l} 4 \times 0 = 0 \\ 4 \times 1 = 4 \\ 4 \times 2 = 8 \\ 4 \times 3 = 12 \\ 4 \times 4 = 16 \\ 4 \times 5 = 20 \\ 4 \times 6 = 24 \\ 4 \times 7 = 28 \\ 4 \times 8 = 32 \\ 4 \times 9 = 36 \\ 4 \times 10 = 40 \\ 4 \times 11 = 44 \\ 4 \times 12 = 48 \end{array}$$

$$\begin{array}{l} 5 \times 0 = 0 \\ 5 \times 1 = 5 \\ 5 \times 2 = 10 \\ 5 \times 3 = 15 \\ 5 \times 4 = 20 \\ 5 \times 5 = 25 \\ 5 \times 6 = 30 \\ 5 \times 7 = 35 \\ 5 \times 8 = 40 \\ 5 \times 9 = 45 \\ 5 \times 10 = 50 \\ 5 \times 11 = 55 \\ 5 \times 12 = 60 \end{array}$$

$$\begin{array}{l} 6 \times 0 = 0 \\ 6 \times 1 = 6 \\ 6 \times 2 = 12 \\ 6 \times 3 = 18 \\ 6 \times 4 = 24 \\ 6 \times 5 = 30 \\ 6 \times 6 = 36 \\ 6 \times 7 = 42 \\ 6 \times 8 = 48 \\ 6 \times 9 = 54 \\ 6 \times 10 = 60 \\ 6 \times 11 = 66 \\ 6 \times 12 = 72 \end{array}$$

$$\begin{array}{l} 7 \times 0 = 0 \\ 7 \times 1 = 7 \\ 7 \times 2 = 14 \\ 7 \times 3 = 21 \\ 7 \times 4 = 28 \\ 7 \times 5 = 35 \\ 7 \times 6 = 42 \\ 7 \times 7 = 49 \\ 7 \times 8 = 56 \\ 7 \times 9 = 63 \\ 7 \times 10 = 70 \\ 7 \times 11 = 77 \\ 7 \times 12 = 84 \end{array}$$

$$\begin{array}{l} 8 \times 0 = 0 \\ 8 \times 1 = 8 \\ 8 \times 2 = 16 \\ 8 \times 3 = 24 \\ 8 \times 4 = 32 \\ 8 \times 5 = 40 \\ 8 \times 6 = 48 \\ 8 \times 7 = 56 \\ 8 \times 8 = 64 \\ 8 \times 9 = 72 \\ 8 \times 10 = 80 \\ 8 \times 11 = 88 \\ 8 \times 12 = 96 \end{array}$$

$$\begin{array}{l} 9 \times 0 = 0 \\ 9 \times 1 = 9 \\ 9 \times 2 = 18 \\ 9 \times 3 = 27 \\ 9 \times 4 = 36 \\ 9 \times 5 = 45 \\ 9 \times 6 = 54 \\ 9 \times 7 = 63 \\ 9 \times 8 = 72 \\ 9 \times 9 = 81 \\ 9 \times 10 = 90 \\ 9 \times 11 = 99 \\ 9 \times 12 = 108 \end{array}$$

# Division Facts



$$\begin{array}{l} 2 \div 2 = 1 \\ 4 \div 2 = 2 \\ 6 \div 2 = 3 \\ 8 \div 2 = 4 \\ 10 \div 2 = 5 \\ 12 \div 2 = 6 \\ 14 \div 2 = 7 \\ 16 \div 2 = 8 \\ 18 \div 2 = 9 \\ 20 \div 2 = 10 \\ 22 \div 2 = 11 \\ 24 \div 2 = 12 \end{array}$$

$$\begin{array}{l} 3 \div 3 = 1 \\ 6 \div 3 = 2 \\ 9 \div 3 = 3 \\ 12 \div 3 = 4 \\ 15 \div 3 = 5 \\ 18 \div 3 = 6 \\ 21 \div 3 = 7 \\ 24 \div 3 = 8 \\ 27 \div 3 = 9 \\ 30 \div 3 = 10 \\ 33 \div 3 = 11 \\ 36 \div 3 = 12 \end{array}$$

$$\begin{array}{l} 4 \div 4 = 1 \\ 8 \div 4 = 2 \\ 12 \div 4 = 3 \\ 16 \div 4 = 4 \\ 20 \div 4 = 5 \\ 24 \div 4 = 6 \\ 28 \div 4 = 7 \\ 32 \div 4 = 8 \\ 36 \div 4 = 9 \\ 40 \div 4 = 10 \\ 44 \div 4 = 11 \\ 48 \div 4 = 12 \end{array}$$

$$\begin{array}{l} 5 \div 5 = 1 \\ 10 \div 5 = 2 \\ 15 \div 5 = 3 \\ 20 \div 5 = 4 \\ 25 \div 5 = 5 \\ 30 \div 5 = 6 \\ 35 \div 5 = 7 \\ 40 \div 5 = 8 \\ 45 \div 5 = 9 \\ 50 \div 5 = 10 \\ 55 \div 5 = 11 \\ 60 \div 5 = 12 \end{array}$$

$$\begin{array}{l} 6 \div 6 = 1 \\ 12 \div 6 = 2 \\ 18 \div 6 = 3 \\ 24 \div 6 = 4 \\ 30 \div 6 = 5 \\ 36 \div 6 = 6 \\ 42 \div 6 = 7 \\ 48 \div 6 = 8 \\ 54 \div 6 = 9 \\ 60 \div 6 = 10 \\ 66 \div 6 = 11 \\ 72 \div 6 = 12 \end{array}$$

$$\begin{array}{l} 7 \div 7 = 1 \\ 14 \div 7 = 2 \\ 21 \div 7 = 3 \\ 28 \div 7 = 4 \\ 35 \div 7 = 5 \\ 42 \div 7 = 6 \\ 49 \div 7 = 7 \\ 56 \div 7 = 8 \\ 63 \div 7 = 9 \\ 70 \div 7 = 10 \\ 77 \div 7 = 11 \\ 84 \div 7 = 12 \end{array}$$

$$\begin{array}{l} 8 \div 8 = 1 \\ 16 \div 8 = 2 \\ 24 \div 8 = 3 \\ 32 \div 8 = 4 \\ 40 \div 8 = 5 \\ 48 \div 8 = 6 \\ 56 \div 8 = 7 \\ 64 \div 8 = 8 \\ 72 \div 8 = 9 \\ 80 \div 8 = 10 \\ 88 \div 8 = 11 \\ 96 \div 8 = 12 \end{array}$$

$$\begin{array}{l} 9 \div 9 = 1 \\ 18 \div 9 = 2 \\ 27 \div 9 = 3 \\ 36 \div 9 = 4 \\ 45 \div 9 = 5 \\ 54 \div 9 = 6 \\ 63 \div 9 = 7 \\ 72 \div 9 = 8 \\ 81 \div 9 = 9 \\ 90 \div 9 = 10 \\ 99 \div 9 = 11 \\ 108 \div 9 = 12 \end{array}$$

$$\begin{array}{l} 10 \div 10 = 1 \\ 20 \div 10 = 2 \\ 30 \div 10 = 3 \\ 40 \div 10 = 4 \\ 50 \div 10 = 5 \\ 60 \div 10 = 6 \\ 70 \div 10 = 7 \\ 80 \div 10 = 8 \\ 90 \div 10 = 9 \\ 100 \div 10 = 10 \\ 110 \div 10 = 11 \\ 120 \div 10 = 12 \end{array}$$