

Multiplication, Division, Squares and Roots

| | | | |
|------------------|-----------------|--------------------|----------------------------------|
| $1 \times 24 =$ | $10 \div 5 =$ | $1^2 + 1^2 =$ | $\sqrt{25} + \sqrt{4} =$ |
| $2 \times 25 =$ | $15 \div 3 =$ | $2^2 + 3^2 =$ | $\sqrt{4} + \sqrt{49} =$ |
| $3 \times 23 =$ | $18 \div 9 =$ | $3^2 + 3^2 =$ | $\sqrt{16} + \sqrt{4} =$ |
| $4 \times 22 =$ | $16 \div 2 =$ | $4^2 + 1^2 =$ | $\sqrt{25} + \sqrt{25} =$ |
| $5 \times 21 =$ | $24 \div 4 =$ | $5^2 + 5^2 =$ | $\sqrt{64} + \sqrt{4} =$ |
| $6 \times 18 =$ | $50 \div 5 =$ | $6^2 + 3^2 =$ | $\sqrt{4} + \sqrt{9} =$ |
| $7 \times 17 =$ | $100 \div 20 =$ | $7^2 + 6^2 =$ | $\sqrt{1} + \sqrt{1} =$ |
| $8 \times 16 =$ | $6 \div 2 =$ | $8^2 + 1^2 =$ | $\sqrt{100} + \sqrt{81} =$ |
| $9 \times 19 =$ | $1 \div 1 =$ | $9^2 + 0^2 =$ | $\sqrt{1} + \sqrt{1} =$ |
| $10 \times 20 =$ | $3 \div 3 =$ | $10^2 + 9^2 =$ | $\sqrt{4} + \sqrt{4} =$ |
| $11 \times 12 =$ | $50 \div 2 =$ | $11^2 - 2^2 =$ | $\sqrt{100} \cdot \sqrt{49} =$ |
| $12 \times 15 =$ | $60 \div 10 =$ | $12^2 - 1^2 =$ | $\sqrt{100} - \sqrt{36} =$ |
| $13 \times 14 =$ | $12 \div 3 =$ | $10^2 - 5^2 =$ | $\sqrt{100} \cdot \sqrt{4} =$ |
| $14 \times 12 =$ | $16 \div 4 =$ | $9^2 - 3^2 =$ | $\sqrt{100} \cdot \sqrt{81} =$ |
| $15 \times 11 =$ | $22 \div 11 =$ | $8^2 - 2^2 =$ | $\sqrt{64} \cdot \sqrt{4} =$ |
| $16 \times 10 =$ | $9 \div 3 =$ | $7^2 - 6^2 =$ | $\sqrt{36} \cdot \sqrt{4} =$ |
| $17 \times 6 =$ | $12 \div 4 =$ | $6^2 - 4^2 =$ | $\sqrt{49} \cdot \sqrt{36} =$ |
| $18 \times 7 =$ | $105 \div 21 =$ | $5^2 - 2^2 =$ | $\sqrt{4} \cdot \sqrt{4} =$ |
| $19 \times 8 =$ | $21 \div 7 =$ | $4^2 - 1^2 =$ | $\sqrt{9} \cdot \sqrt{4} =$ |
| $20 \times 9 =$ | $39 \div 3 =$ | $1^2 \times 1^2 =$ | $\sqrt{100} \times \sqrt{100} =$ |
| $21 \times 4 =$ | $81 \div 9 =$ | $2^2 \times 2^2 =$ | $\sqrt{64} \times \sqrt{4} =$ |
| $22 \times 5 =$ | $300 \div 15 =$ | $3^2 \times 2^2 =$ | $\sqrt{4} \times \sqrt{4} =$ |
| $23 \times 2 =$ | $20 \div 2 =$ | $10^2 \div 5^2 =$ | $\sqrt{16} \div \sqrt{4} =$ |
| $24 \times 2 =$ | $64 \div 4 =$ | $4^2 \div 2^2 =$ | $\sqrt{36} \div \sqrt{4} =$ |
| $25 \times 3 =$ | $25 \div 5 =$ | $2^2 \div 2^2 =$ | $\sqrt{81} \div \sqrt{9} =$ |

Brackets A

| | | | |
|----------------------------|------------------------------|-----------------------|----------------------------|
| $(4 \times 3) \times 2 =$ | $(5 + 5) \times 5 =$ | $(1 + 9) \times 1 =$ | $(4 \times 7) \times 5 =$ |
| $(4 \times 4) \times 4 =$ | $(10 + 3) \times 10 =$ | $(3 \times 8) + 2 =$ | $(2 \times 7) \div 2 =$ |
| $(4 \times 3) \times 1 =$ | $(2 + 2) \times 2 =$ | $(5 + 7) \times 3 =$ | $(10 + 2) \div 6 =$ |
| $(4 \times 1) + 2 =$ | $(2 + 3) \times 4 =$ | $(7 \times 6) + 4 =$ | $(5 \times 2) - 2 =$ |
| $(10 \times 3) + 2 =$ | $(1 + 2) \times 3 =$ | $(9 + 5) \times 5 =$ | $(1 \div 1) + 5 =$ |
| $(1 \times 1) + 1 =$ | $(4 + 5) \times 6 =$ | $(2 \times 4) + 6 =$ | $(1 \times 5) \times 5 =$ |
| $(1 \times 3) \times 2 =$ | $(6 + 6) \times 1 =$ | $(4 + 3) \times 7 =$ | $(5 + 5) - 5 =$ |
| $(2 \times 3) \times 6 =$ | $(10 + 5) \times 2 =$ | $(6 \times 2) + 8 =$ | $(3 - 3) \times 5 =$ |
| $(3 \times 3) \times 7 =$ | $(10 + 5) \times 1 =$ | $(8 + 1) \times 9 =$ | $(21 \div 3) \times 5 =$ |
| $(4 \times 3) - 9 =$ | $(8 + 1) \times 1000 =$ | $(9 \times 2) + 8 =$ | $(2 \times 2) + 5 =$ |
| $(5 \times 3) - 2 =$ | $(9 + 7) \times 5 =$ | $(7 + 3) \times 7 =$ | $(12 + 12) \times 2 =$ |
| $(6 \times 3) - 3 =$ | $(7 - 5) \times 3 =$ | $(5 \times 4) + 6 =$ | $(50 \div 5) \times 2 =$ |
| $(7 \times 3) \times 4 =$ | $(3 - 2) \times 5 =$ | $(3 + 5) \times 5 =$ | $(10 - 5) \times 10 =$ |
| $(8 \times 3) \times 5 =$ | $(4 - 4) \times 100 =$ | $(1 \times 6) + 4 =$ | $(9 \times 8) \times 10 =$ |
| $(9 \times 3) \times 2 =$ | $(5 - 4) \times 10 =$ | $(2 + 7) \times 3 =$ | $(100 + 5) \div 3 =$ |
| $(10 \times 10) \div 10 =$ | $(20 - 14) \times 1 =$ | $(1 \times 8) + 2 =$ | $(3 \div 3) \div 1 =$ |
| $(9 \times 5) \div 5 =$ | $(16 - 13) \times 1 =$ | $(6 + 9) \times 1 =$ | $(4 + 4) - 2 =$ |
| $(8 \times 3) \div 1 =$ | $(20 - 10) \times 5 =$ | $(8 \times 4) + 2 =$ | $(5 \times 5) - 2 =$ |
| $(7 + 3) \times 4 =$ | $(7 - 3) \times 1 =$ | $(10 + 7) \times 3 =$ | $(6 + 6) - 2 =$ |
| $(6 + 3) \times 2 =$ | $(4 - 3) \times 7 =$ | $(9 \times 6) + 4 =$ | $(7 - 7) + 2 =$ |
| $(5 + 3) \times 5 =$ | $(4 - 3) \times 8 =$ | $(7 + 5) \times 5 =$ | $(8 \div 8) + 2 =$ |
| $(4 - 3) \times 4 =$ | $(100 \times 10) \times 9 =$ | $(5 \times 4) + 6 =$ | $(9 \times 9) + 2 =$ |
| $(3 - 3) \times 3 =$ | $(9 \div 3) \times 10 =$ | $(3 + 3) \times 7 =$ | $(4 + 12) + 2 =$ |
| $(6 \div 3) \times 10 =$ | $(4 \div 2) \times 11 =$ | $(1 \times 2) + 8 =$ | $(5 - 5) + 4 =$ |
| $(1 \div 1) \times 2 =$ | $(15 \div 3) \times 12 =$ | $(3 + 1) \times 9 =$ | $(100 \div 10) \times 2 =$ |

Brackets B

| | | | |
|------------------------------|------------------------------|----------------------------|------------------------------|
| $(4 \times 3) \times 2 =$ | $(5 \times 5) \times 5 =$ | $(1 \times 9) \times 1 =$ | $(4 \times 7) \times 5 =$ |
| $(4 \times 4) \times 4 =$ | $(10 \times 3) \times 10 =$ | $(3 \times 8) \times 2 =$ | $(2 \times 7) \times 5 =$ |
| $(4 \times 3) \times 1 =$ | $(2 \times 2) \times 2 =$ | $(5 \times 7) \times 3 =$ | $(10 \times 2) \times 5 =$ |
| $(4 \times 1) \times 2 =$ | $(2 \times 3) \times 4 =$ | $(7 \times 6) \times 4 =$ | $(5 \times 1) \times 5 =$ |
| $(10 \times 3) \times 2 =$ | $(1 \times 2) \times 3 =$ | $(9 \times 5) \times 5 =$ | $(1 \times 1) \times 5 =$ |
| $(1 \times 1) \times 1 =$ | $(4 \times 5) \times 6 =$ | $(2 \times 4) \times 6 =$ | $(1 \times 5) \times 5 =$ |
| $(1 \times 3) \times 2 =$ | $(6 \times 6) \times 1 =$ | $(4 \times 3) \times 7 =$ | $(5 \times 5) \times 5 =$ |
| $(2 \times 3) \times 6 =$ | $(10 \times 5) \times 2 =$ | $(6 \times 2) \times 8 =$ | $(3 \times 3) \times 5 =$ |
| $(3 \times 3) \times 7 =$ | $(10 \times 5) \times 1 =$ | $(8 \times 1) \times 9 =$ | $(2 \times 3) \times 5 =$ |
| $(4 \times 3) \times 9 =$ | $(8 \times 1) \times 1000 =$ | $(9 \times 2) \times 8 =$ | $(2 \times 2) \times 5 =$ |
| $(5 \times 3) \times 2 =$ | $(9 \times 7) \times 5 =$ | $(7 \times 3) \times 7 =$ | $(12 \times 12) \times 2 =$ |
| $(6 \times 3) \times 3 =$ | $(7 \times 5) \times 3 =$ | $(5 \times 4) \times 6 =$ | $(50 \times 5) \times 2 =$ |
| $(7 \times 3) \times 4 =$ | $(1 \times 2) \times 5 =$ | $(3 \times 5) \times 5 =$ | $(10 \times 5) \times 10 =$ |
| $(8 \times 3) \times 5 =$ | $(4 \times 4) \times 100 =$ | $(1 \times 6) \times 4 =$ | $(9 \times 8) \times 10 =$ |
| $(9 \times 3) \times 2 =$ | $(4 \times 4) \times 10 =$ | $(2 \times 7) \times 3 =$ | $(100 \times 5) \times 3 =$ |
| $(10 \times 10) \times 10 =$ | $(14 \times 14) \times 1 =$ | $(1 \times 8) \times 2 =$ | $(3 \times 3) \times 2 =$ |
| $(9 \times 3) \times 5 =$ | $(13 \times 13) \times 1 =$ | $(6 \times 9) \times 1 =$ | $(4 \times 4) \times 2 =$ |
| $(8 \times 3) \times 1 =$ | $(10 \times 10) \times 5 =$ | $(8 \times 4) \times 2 =$ | $(5 \times 5) \times 2 =$ |
| $(7 \times 3) \times 4 =$ | $(1 \times 3) \times 1 =$ | $(10 \times 7) \times 3 =$ | $(6 \times 6) \times 2 =$ |
| $(6 \times 3) \times 2 =$ | $(4 \times 3) \times 7 =$ | $(9 \times 6) \times 4 =$ | $(7 \times 7) \times 2 =$ |
| $(5 \times 3) \times 5 =$ | $(4 \times 3) \times 8 =$ | $(7 \times 5) \times 5 =$ | $(8 \times 8) \times 2 =$ |
| $(4 \times 3) \times 4 =$ | $(1 \times 10) \times 9 =$ | $(5 \times 4) \times 6 =$ | $(9 \times 9) \times 2 =$ |
| $(3 \times 3) \times 3 =$ | $(4 \times 3) \times 10 =$ | $(3 \times 3) \times 7 =$ | $(4 \times 12) \times 2 =$ |
| $(2 \times 3) \times 10 =$ | $(4 \times 2) \times 11 =$ | $(1 \times 2) \times 8 =$ | $(5 \times 5) \times 4 =$ |
| $(1 \times 1) \times 2 =$ | $(1 \times 3) \times 12 =$ | $(3 \times 1) \times 9 =$ | $(100 \times 10) \times 2 =$ |

Fractions

| | | | |
|-----------------|------------------|--------------------|-------------------|
| $1/5$ of 25 = | $1/5$ of 50 = | $10/50$ of 25 = | $25/100$ of 200 = |
| $2/5$ of 25 = | $1/10$ of 50 = | $20/50$ of 25 = | $50/100$ of 400 = |
| $3/5$ of 25 = | $1/15$ of 150 = | $30/50$ of 25 = | $75/100$ of 200 = |
| $4/5$ of 25 = | $1/20$ of 100 = | $40/50$ of 25 = | $10/40$ of 20 = |
| $5/5$ of 25 = | $1/25$ of 100 = | $50/50$ of 25 = | $20/40$ of 40 = |
| $1/5$ of 20 = | $1/30$ of 90 = | $10/100$ of 30 = | $30/40$ of 80 = |
| $2/5$ of 20 = | $1/35$ of 700 = | $20/100$ of 60 = | $3/12$ of 20 = |
| $4/5$ of 20 = | $1/40$ of 80 = | $30/100$ of 20 = | $6/12$ of 20 = |
| $3/5$ of 20 = | $1/45$ of 45 = | $40/100$ of 50 = | $9/12$ of 20 = |
| $5/5$ of 20 = | $1/50$ of 1000 = | $50/100$ of 10 = | $1/3$ of 300 = |
| $1/10$ of 100 = | $1/55$ of 165 = | $60/100$ of 100 = | $5/10$ of 30 = |
| $1/20$ of 100 = | $1/60$ of 240 = | $70/100$ of 50 = | $5/10$ of 2 = |
| $1/2$ of 100 = | $1/65$ of 130 = | $80/100$ of 10 = | $10/10$ of 10 = |
| $1/4$ of 100 = | $1/70$ of 350 = | $90/100$ of 10 = | $5/5$ of 10 = |
| $1/5$ of 100 = | $1/75$ of 75 = | $100/100$ of 100 = | $1/1$ of 25 = |
| $9/10$ of 20 = | $1/80$ of 1200 = | $1/2$ of 24 = | $7/10$ of 10 = |
| $8/10$ of 200 = | $1/85$ of 170 = | $1/3$ of 30 = | $5/25$ of 5 = |
| $7/10$ of 20 = | $1/90$ of 900 = | $1/4$ of 20 = | $10/25$ of 10 = |
| $6/10$ of 30 = | $1/95$ of 190 = | $1/5$ of 20 = | $15/25$ of 50 = |
| $5/10$ of 20 = | $1/100$ of 200 = | $2/3$ of 60 = | $20/25$ of 50 = |
| $4/10$ of 40 = | $1/15$ of 45 = | $3/4$ of 20 = | $25/25$ of 5 = |
| $3/10$ of 60 = | $3/15$ of 45 = | $2/10$ of 20 = | $3/6$ of 10 = |
| $2/10$ of 10 = | $6/15$ of 45 = | $4/10$ of 20 = | $1/6$ of 24 = |
| $1/10$ of 20 = | $9/15$ of 45 = | $6/10$ of 20 = | $2/6$ of 12 = |
| $10/10$ of 10 = | $12/15$ of 45 = | $8/10$ of 20 = | $4/6$ of 9 = |

Fractions, Decimals, Percentages

| | | | |
|---------------------------|--------------------|-----------|-----------------|
| $\frac{1}{2} = 0.5 =$ | $\frac{75}{100} =$ | $= 75\%$ | $= 0.5 = 50\%$ |
| $\frac{3}{4} = 0.75 =$ | $\frac{85}{100} =$ | $= 85\%$ | $= 0.75 = 75\%$ |
| $\frac{1}{4} = 0.25 =$ | $\frac{95}{100} =$ | $= 95\%$ | $= 0.25 = 25\%$ |
| $\frac{1}{1} = 1 =$ | $\frac{20}{100} =$ | $= 20\%$ | $= 1 = 100\%$ |
| $\frac{1}{10} = 0.1 =$ | $\frac{10}{100} =$ | $= 10\%$ | $= 0.15 = 15\%$ |
| $\frac{3}{10} = 0.3 =$ | $\frac{40}{100} =$ | $= 40\%$ | $= 0.35 = 35\%$ |
| $\frac{9}{10} = 0.9 =$ | $\frac{30}{100} =$ | $= 30\%$ | $= 0.95 = 95\%$ |
| $\frac{5}{25} = 0.2 =$ | $\frac{55}{100} =$ | $= 55\%$ | $= 0.25 = 25\%$ |
| $\frac{10}{25} = 0.4 =$ | $\frac{50}{100} =$ | $= 50\%$ | $= 0.45 = 45\%$ |
| $\frac{15}{25} = 0.6 =$ | $\frac{80}{100} =$ | $= 80\%$ | $= 0.65 = 65\%$ |
| $\frac{20}{25} = 0.8 =$ | $\frac{70}{100} =$ | $= 70\%$ | $= 0.85 = 85\%$ |
| $\frac{20}{100} = 0.2 =$ | $\frac{90}{100} =$ | $= 90\%$ | $= 0.55 = 55\%$ |
| $\frac{40}{100} = 0.4 =$ | $\frac{1}{100} =$ | $= 1\%$ | $= 2 = 200\%$ |
| $\frac{60}{100} = 0.6 =$ | $\frac{1}{5} =$ | $= 20\%$ | $= 3 = 300\%$ |
| $\frac{80}{100} = 0.8 =$ | $\frac{1}{1} =$ | $= 100\%$ | $= 1 = 100\%$ |
| $\frac{12}{24} = 0.5 =$ | $\frac{1}{10} =$ | $= 10\%$ | $= 0.1 = 10\%$ |
| $\frac{6}{24} = 0.25 =$ | $\frac{3}{10} =$ | $= 30\%$ | $= 0.3 = 30\%$ |
| $\frac{18}{24} = 0.75 =$ | $\frac{9}{10} =$ | $= 90\%$ | $= 0.9 = 90\%$ |
| $\frac{5}{100} = 0.05 =$ | $\frac{5}{25} =$ | $= 20\%$ | $= 0.2 = 20\%$ |
| $\frac{15}{100} = 0.15 =$ | $\frac{10}{25} =$ | $= 40\%$ | $= 0.4 = 40\%$ |
| $\frac{25}{100} = 0.25 =$ | $\frac{15}{25} =$ | $= 60\%$ | $= 0.6 = 60\%$ |
| $\frac{35}{100} = 0.35 =$ | $\frac{20}{25} =$ | $= 80\%$ | $= 0.8 = 80\%$ |
| $\frac{45}{100} = 0.45 =$ | $\frac{1}{2} =$ | $= 50\%$ | $= 5 = 500\%$ |
| $\frac{55}{100} = 0.55 =$ | $\frac{3}{4} =$ | $= 75\%$ | $= 0.84 = 84\%$ |
| $\frac{65}{100} = 0.65 =$ | $\frac{1}{4} =$ | $= 25\%$ | $= 0.99 = 99\%$ |