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| **Basic Math Symbols - Refer to these basic math symbols whenever needed. Print a copy so that you can carry it with you.** |
| |  |  |  |  | | --- | --- | --- | --- | | Symbol | Symbol Name | Meaning / definition | Example | | = | equals sign | equality | 5 = 2+3 | | ≠ | not equal sign | inequality | 5 ≠ 4 | | > | strict inequality | greater than | 5 > 4 | | < | strict inequality | less than | 4 < 5 | | ≥ | inequality | greater than or equal to | 5 ≥ 4 | | ≤ | inequality | less than or equal to | 4 ≤ 5 | | ( ) | parentheses | calculate expression inside first | 2 × (3+5) = 16 | | [ ] | brackets | calculate expression inside first | [(1+2)\*(1+5)] = 18 | | + | plus sign | addition | 1 + 1 = 2 | | − | minus sign | subtraction | 2 − 1 = 1 | | ± | plus - minus | both plus and minus operations | 3 ± 5 = 8 and -2 | | ∓ | minus - plus | both minus and plus operations | 3 ∓ 5 = -2 and 8 | | \* | asterisk | multiplication | 2 \* 3 = 6 | | × | times sign | multiplication | 2 × 3 = 6 | | ∙ | multiplication dot | multiplication | 2 ∙ 3 = 6 | | ÷ | division sign / obelus | division | 6 ÷ 2 = 3 | | / | division slash | division | 6 / 2 = 3 | | - | horizontal line | division / fraction | \frac{6}{2}=3 | | mod | modulo | remainder calculation | 7 mod 2 = 1 | | . | period | decimal point, decimal separator | 2.56 = 2+56/100 | | *ab* | power | exponent | 23= 8 | | *a^b* | caret | exponent | 2 ^ 3= 8 | | √*a* | square root | √*a -* √*a  = a* | √9 = ±3 | | 3√*a* | cube root | 3√*a -* 3*√a  -* 3*√a  = a* | 3√8 = 2 | | 4√*a* | fourth root | 4√ *a< -* 4*√ a  -* 4*√ a  -* 4*√ a  = a* | 4√ 16 = ±32 | | *n*√ *a*< | n-th root (radical) |  | for *n*=3, n√ 8 = 2 | | % | percent | 1% = 1/100 | 10% × 30 = 3 | | ‰ | per-mille | 1‰ = 1/1000 = 0.1% | 10‰ × 30 = 0.3 | | ppm | per-million | 1ppm = 1/1000000 | 10ppm × 30 = 0.0003 | | ppb | per-billion | 1ppb = 1/1000000000 | 10ppb × 30 = 3×10-7 | | ppt | per-trillion | 1ppt = 10-12 | 10ppt × 30 = 3×10-10 | |