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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.** |
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| 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 |

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