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**Math**

**Multiplication and Division**

* [Introduction to Multiplication and Division](https://www.gcflearnfree.org/multiplicationdivision/)

**Decimals:**

* Decimals Cheat Sheet
* [Introduction to Decimals](https://www.gcflearnfree.org/decimals/introduction-to-decimals/1/)
* [Adding and Subtracting Decimals](https://www.gcflearnfree.org/decimals/adding-and-subtracting-decimals/1/)
* [Multiplying and Dividing Decimals](https://www.gcflearnfree.org/decimals/multiplying-and-dividing-decimals/1/)

**Fractions:**

* Fractions Cheat Sheet
* [Introduction to Fractions](https://www.gcflearnfree.org/fractions/introduction-to-fractions/1/)
* [Comparing and Reducing Fractions](https://www.gcflearnfree.org/fractions/comparing-and-reducing-fractions/1/)
* [Adding and Subtracting Fractions](https://www.gcflearnfree.org/fractions/adding-and-subtracting-fractions/1/)
* [Multiplying and Dividing Fractions](https://www.gcflearnfree.org/fractions/multiplying-and-dividing-fractions/1/)
* Rates, Ratios and Proportions Cheat Sheet

**Percent**

* [Converting Percentages, Decimals, and Fractions](https://www.gcflearnfree.org/fractions/converting-percentages-decimals-and-fractions/1/)
* Percent Cheat Sheet

**Geometry**

* Geometry Formula Sheet
* [Lines and Angles](https://www.mathsisfun.com/geometry/parallel-lines.html)
* [Area](https://www.mathsisfun.com/area.html)
* [Circles](https://www.mathsisfun.com/geometry/circle.html)
* [Triangles](https://www.mathsisfun.com/triangle.html)
* [Pythagoras’ Theorem](https://www.mathsisfun.com/pythagoras.html)
* [Surface Area of Prisms](http://www.teacherschoice.com.au/maths_library/area%20and%20sa/area_9.htm)
* [Rotation](https://www.mathsisfun.com/geometry/rotation.html)
* [Reflections](https://www.mathsisfun.com/geometry/reflection.html)
* [Lines of Symmetry](https://www.mathsisfun.com/geometry/symmetry-reflection.html)
* [Translation](https://www.mathsisfun.com/geometry/translation.html)
* [Transformations](https://www.mathsisfun.com/geometry/transformations.html)

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**Trigonometry**

* [Trigonometry](https://www.mathsisfun.com/algebra/trigonometry.html)
* [Sine, Cosine and Tangent](https://www.mathsisfun.com/sine-cosine-tangent.html)
* [Sohcahtoa](https://www.mathsisfun.com/algebra/sohcahtoa.html)
* [Solving Triangles](https://www.mathsisfun.com/algebra/trig-solving-triangles.html)
* [The Law of Sines](https://www.mathsisfun.com/algebra/trig-sine-law.html)
* [The Law of Cosines](https://www.mathsisfun.com/algebra/trig-cosine-law.html)
* [Inverse Sine, Cosine, Tangent](https://www.mathsisfun.com/algebra/trig-inverse-sin-cos-tan.html)

**Scientific Notation**

* [Scientific Notation](https://www.mathsisfun.com/numbers/scientific-notation.html)
* [Powers of 10](https://www.mathsisfun.com/index-notation-powers.html)

**Algebra**

* [Order of Operations](https://www.gcflearnfree.org/algebra-topics/order-of-operations/1/)
* [Exponents](https://www.gcflearnfree.org/algebra-topics/exponents/1/)
* [Negative Numbers](https://www.gcflearnfree.org/algebra-topics/negative-numbers/1/)
* Signed Numbers Cheat Sheet
* [Reciprocals and Inverse Numbers](https://www.gcflearnfree.org/algebra-topics/reciprocals-and-inverse-numbers/1/)
* [Reading Algebraic Expressions](https://www.gcflearnfree.org/algebra-topics/reading-algebraic-expressions/1/)
* [Writing Algebraic Expressions](https://www.gcflearnfree.org/algebra-topics/writing-algebraic-expressions/1/)
* [Simplifying Expressions](https://www.gcflearnfree.org/algebra-topics/simplifying-expressions/1/)
* [Solving Equations](https://www.gcflearnfree.org/algebra-topics/solving-equations/1/)
* [Introduction to Word Problems](https://www.gcflearnfree.org/algebra-topics/introduction-to-word-problems/1/)
* [Distance Word Problems](https://www.gcflearnfree.org/algebra-topics/distance-word-problems/1/)

**Polynomials**

* [Introduction to Polynomials](https://www.mathsisfun.com/algebra/polynomials.html)
* [Adding and Subtracting Polynomials](https://www.mathsisfun.com/algebra/polynomials-adding-subtracting.html)
* [Multiplying Polynomials](https://www.mathsisfun.com/algebra/polynomials-multiplying.html)
* [Polynomials – Long Multiplication](https://www.mathsisfun.com/algebra/polynomials-multiplication-long.html)

**Graphing**

* [Linear Graphs and Equations](https://www.khanacademy.org/math/algebra/linear-word-problems/interpreting-linear-functions/v/interpreting-linear-graphs)
* [Linear Patterns](http://www.studyit.org.nz/subjects/maths/math1/4/subjectcontent/linearpatt.html)

**Probability**

* [Probability](https://www.mathsisfun.com/data/probability.html)
* [Conditional Probability](https://www.mathsisfun.com/data/probability-events-conditional.html)

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**Rational Expressions**

* [Rational Expressions](https://www.mathsisfun.com/algebra/rational-expression.html)
* [Using Rational Expressions](https://www.mathsisfun.com/algebra/rational-expression-operations.html) (Adding, Subtracting, Multiplication, Division, Simplifying)

**Exponential Functions**

* [Exponential Function Reference](https://www.mathsisfun.com/sets/function-exponential.html)
* [Exponents and Logarithms](https://www.mathsisfun.com/algebra/exponents-logarithms.html)

**Logarithmic Functions**

* [Logarithmic Function Reference](https://www.mathsisfun.com/sets/function-logarithmic.html)
* [Introduction to Logarithms](https://www.mathsisfun.com/algebra/logarithms.html)

**Nursing Math**

* [Medication Drug Calculations](http://www.studywithclpna.com/drugcalculations/)
* [Dosage by Weight](http://www.dosagehelp.com/dosage_by_weight.html)
* [Mass/Time Rate](http://www.dosagehelp.com/iv_rate_ml_adv.html)
* [Dosage Practice Questions](http://www.dosagehelp.com/practice_questions)

**General Math Help**

* Online Tutoring
  + Smarthinking
    - [Student Service Demo](https://www.pearson.com/us/higher-education/products-services-institutions/smarthinking-online-tutoring/resources-support/students.html)
    - [Smarthinking Guide](https://www.pearson.com/content/dam/one-dot-com/one-dot-com/us/en/files/022218-Smarthinking-Student-Quick-Start-Guide.pdf)
* Tutorials
  + [Khan Academy](https://www.khanacademy.org/)
  + [GCF Learn Free](https://www.gcflearnfree.org/topics/math/)
  + [Math is Fun](https://www.mathsisfun.com/)