

# Math

Evaluate numerical expressions involving signed numbers, positive integer exponents, order of operations and parentheses. 1

1 Evaluate numerical expressions involving signed numbers, positive integer exponents, order of operations and parentheses. 1

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Evaluate algebraic expressions at specified values of their variables using signed numbers, positive integer exponents, order of operations and parentheses. 2

2 Evaluate algebraic expressions at specified values of their variables using signed numbers, positive integer exponents, order of operations and parentheses. 2

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Perform arithmetic calculations involving fractions, decimals and percents. 3

3 Perform arithmetic calculations involving fractions, decimals and percents. 3

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Order fractions and decimals on a number line. 4

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Solve applied arithmetic problems using appropriate units, including problems involving percentage increase and decrease, rates and proportions. 5

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Solve simple geometry problems involving properties of rectangles and triangles. 6

6 Solve simple geometry problems involving properties of rectangles and triangles. 6

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**Solve simple coordinate geometry problems. 7**

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**7 Solve simple coordinate geometry problems. 7**

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**Add and subtract polynomials. 8**

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**8 Add and subtract polynomials. 8**

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**Multiply polynomials. 9**

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**9 Multiply polynomials. 9**

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**Simplify algebraic expressions involving positive and negative integer exponents, and square roots. 10**

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**10 Simplify algebraic expressions involving positive and negative integer exponents, and square roots. 10**

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**Factor a polynomial in one or more variables by factoring out its greatest common factor; factor a quadratic polynomial. 11**

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**11 Factor a polynomial in one or more variables by factoring out its greatest common factor; factor a quadratic polynomial. 11**

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**Add, subtract and multiply simple rational expressions. 12**

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**12 Add, subtract and multiply simple rational expressions. 12**

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**Simplify a rational expression. 13**

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**13 Simplify a rational expression. 13**

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**Solve a linear equation. 14**

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**14 Solve a linear equation. 14**

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**Solve a multivariable equation for one of its variables. 15**

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**15 Solve a multivariable equation for one of its variables. 15**

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**Use a linear equation to solve a simple word problem. 16**

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**16 Use a linear equation to solve a simple word problem. 16**

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**Solve a linear inequality. 17**

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**17 Solve a linear inequality. 17**

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**Find the slope of a line given two points on the line or its equation; find the equation of a line**

**18 Find the slope of a line given two points on the line or its equation; find the equation of a line given two points on the line, or a point on the line and the slope of the line. 18**

given two points on the line, or a point on the line and the slope of the line. 18

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Graph a line given its equation; find the equation of a line given its graph. 19

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19 Graph a line given its equation; find the equation of a line given its graph. 19

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Solve a quadratic equation by factoring or by using the quadratic formula. 20

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20 Solve a quadratic equation by factoring or by using the quadratic formula. 20

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Solve a system of two linear equations in two variables. 21

21 Solve a system of two linear equations in two variables. 21