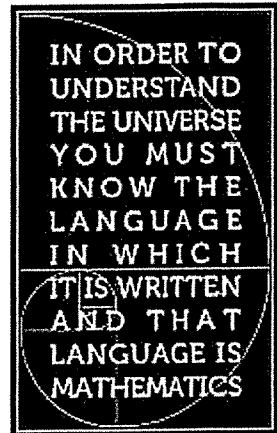


Semester 2 Week 1 SLOT- SAT Vocabulary Builder

I can reflect on the SAT math subscore areas and my own math vocabulary to plan for weekly KHAN SAT practice during Semester 2! SAT/PSAT is April 9 & 10!



★ (STAR) your areas of strength & circle areas to practice more!

★ (STAR) math concepts you understand

& circle concepts to practice more!

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- 1.) \_\_\_\_\_ The numerical factor when a term has a variable
  - 2.) \_\_\_\_\_ The distance a number is from zero on the number line
  - 3.) \_\_\_\_\_ A term without a variable factor ex: 3
  - 4.) \_\_\_\_\_ Slopes of parallel lines are \_\_\_\_\_
  - 5.) \_\_\_\_\_ Slopes of perpendicular lines are \_\_\_\_\_
  - 6.) \_\_\_\_\_  $< \leq$
  - 7.) \_\_\_\_\_  $> \geq$
  - 8.) \_\_\_\_\_  $\frac{a}{b}$   $\frac{b}{a}$
  - 9.) \_\_\_\_\_  $\frac{\text{rise or vertical change}}{\text{run horizontal change}}$  or  $\frac{\text{change in } y}{\text{change in } x}$
  - 10.) \_\_\_\_\_ Where a graph crosses the y-axis
  - 11.) \_\_\_\_\_ A letter used to represent a value
  - 12.) \_\_\_\_\_ The result of addition
  - 13.) \_\_\_\_\_ The result of subtraction
  - 14.) \_\_\_\_\_ The result of multiplication
  - 15.) \_\_\_\_\_ The result of division
  - 16.) \_\_\_\_\_ The first and last numbers and all the numbers in between
  - 17.) \_\_\_\_\_ Slope of a vertical line
  - 18.) \_\_\_\_\_  $y = mx + b$
- A.) Absolute Value  $|x|$
  - B.) Variable
  - C.) Less than, less than or equal to
  - D.) Opposite Reciprocals
  - E.) Equal (the same)
  - F.) Difference
  - G.) Slope
  - H.) Reciprocals
  - I.) Slope-intercept form
  - J.)  $x = 0$  (also known as b)
  - K.) Coefficient
  - L.) Quotient
  - M.) Constant
  - N.) Greater than, greater than or equal to
  - O.) Undefined
  - P.) Inclusive
  - Q.) Product
  - R.) Sum

- 1.) \_\_\_\_\_  $y = a(1 \pm r)^t$
- 2.) \_\_\_\_\_ The group used from a population to conduct an experiment
- 3.) \_\_\_\_\_ The average distance a value is from the mean
- 4.) \_\_\_\_\_ All elements of an entire group
- 5.) \_\_\_\_\_ Maximum value - minimum value
- 6.) \_\_\_\_\_  $\frac{\text{Number of favorable outcomes}}{\text{Number of possible outcomes}}$
- 7.) \_\_\_\_\_  $\frac{\text{Amount of change}}{\text{original amount}}$
- 8.) \_\_\_\_\_ The middle value in an ordered set of numbers
- 9.) \_\_\_\_\_ The average found by adding all of the values then dividing by the total number of values
- 10.) \_\_\_\_\_ The value(s) that occurs the greatest number of times in a set of data.

- A.) Exponential equation
- B.) Mean
- C.) Median
- D.) Population
- E.) Percent Change
- F.) Probability Formula
- G.) Range
- H.) Standard Deviation
- I.) Mode
- J.) Sample

Passport to Advanced Math 😊

- 1.) \_\_\_\_\_  $\frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$
- 2.) \_\_\_\_\_  $b^2 - 4ac$
- 3.) \_\_\_\_\_ The x-value(s) that make an equation equal to zero
- 4.) \_\_\_\_\_ A positive integer that can be evenly divided into a number without a remainder ex: the 6 in 24
- 5.) \_\_\_\_\_  $y = ax^2 + bx + c$
- 6.) \_\_\_\_\_  $y = a(x - h) + k$
- 7.) \_\_\_\_\_  $x = \frac{-b}{2a}$
- 8.) \_\_\_\_\_  $f(x)$ , representing the output of a function
- 9.) \_\_\_\_\_ Radical form  $\sqrt[b]{x^a}$

- A.) Quadratic Formula
- B.) Standard form of a quadratic
- C.) Axis of Symmetry
- D.) Vertex form of a quadratic
- E.) Exponent form  $x^{\frac{a}{b}}$
- F.) zeros (x-intercepts,  $y=0$ )
- G.) Function notation
- H.) Discriminant
- I.) Factor

Additional Topics Common Terms / Concepts

Name \_\_\_\_\_

- |   |                          |
|---|--------------------------|
| 1.) _____ The Pythagorean Theorem   | A.) Arc                  |
| 2.) _____ The distance around an object   | B.) cosine               |
| 3.) _____ A triangle with three equal sides   | C.) Circumference        |
| 4.) _____ A line segment that passes through the center of a circle and has its endpoints on the circle | D.) Equilateral          |
| 5.) _____ A line segment extending from the center of the circle to a point on the circle               | E.) $a^2 + b^2 = c^2$    |
| 6.) _____ Distance around a circle  | F.) Equation of a circle |
| 7.) _____ A segment of the circumference of a circle  | G.) sine                 |
| 8.) _____ A triangle with two equal sides   | H.) tangent              |
| 9.) _____ $\frac{\textit{opposite}}{\textit{hypotenuse}}$   | I.) Diameter             |
| 10.) _____ $\frac{\textit{adjacent}}{\textit{hypotenuse}}$  | J.) Perimeter            |
| 11.) _____ $\frac{\textit{opposite}}{\textit{adjacent}}$  | K.) Isosceles            |
| 12.) _____ $(x - h)^2 + (y - k)^2 = r^2$  | L.) Radius               |