

Definitions of Verbs in the Tested Student Expectations Mathematics - Grades 3-11

Verb	Dictionary Definition(s) of Verb in Student Expectation
act	to perform in or as if in a play; represent dramatically: <i>act out a story</i>
add	to find the sum of
analyze	to examine methodically by separating into parts and studying their interrelations make a mathematical, chemical, or grammatical analysis of; break down into components or essential features to examine carefully and in detail so as to identify causes, key factors, possible results, etc.
answer	to speak or write in response to; reply to
apply	to make use of as relevant, suitable, or pertinent to use for or assign to a specific purpose to put into effect: <i>They applied the rules to new members only.</i>
approximate	to come near to; approach closely to: <i>to approximate an ideal</i> to estimate
carry	to put into operation; execute to effect or accomplish; complete
choose	to select from a number of possibilities; pick by preference
classify	to arrange or organize according to class or category
collect	to bring together in a group or mass; gather
communicate	to impart knowledge of; make known
compare	to examine (two or more objects, ideas, etc.) in order to note similarities and differences to consider or describe as similar, equal, or analogous; liken
connect	make a logical or causal connection to join, link, or fasten together; unite or bind
construct	draw with suitable instruments and under specified conditions; "construct an equilateral triangle"
contrast	to compare in order to show unlikeness or differences; note the opposite natures, purposes, etc., of
convert	to obtain an equivalent value for in an exchange or calculation, as money or units of measurement: <i>to convert bank notes into gold; to convert yards into meters</i>
define	to state the precise meaning of (a word or sense of a word, for example) to describe the nature or basic qualities of; explain
demonstrate	prove, establish the validity of something to describe, explain, or illustrate by examples, experiments, or the like
derive	to arrive at by reasoning; deduce or infer
describe	to give an account of in words; to tell in words what something or someone is like
determine	to conclude or ascertain, as after reasoning, observation, etc.
develop	to elaborate or expand in detail
display	show or bring to the attention of another or others to spread something out so that it may be most completely and favorably seen
divide	to separate into equal parts by the process of mathematical division; apply the mathematical process of division to: <i>Eight divided by four is two.</i>
draw	to sketch (someone or something) in lines or words; delineate; depict to frame or formulate: <i>to draw a distinction</i>
estimate	to calculate approximately (the amount, extent, magnitude, position, or value of something)
evaluate	to ascertain or fix the value or worth of to examine and judge carefully; appraise to calculate the numerical value of; express numerically

explore	to look into closely; scrutinize; examine
express	to represent by a sign or a symbol; symbolize
extend	to expand the influence of to make more comprehensive or inclusive
factor	to express (a mathematical quantity) as a product of two or more quantities of like kind, as $30 = 2 \cdot 3 \cdot 5$, or $x^2 - y^2 = (x + y)(x - y)$
find	to locate, attain, or obtain by search or effort
formulate	to discover or ascertain through observation, experience, or study to state as or reduce to a formula
generate	to express in systematic terms or concepts to bring into existence; cause to be; produce to act as base for all the elements of a given set: <i>The number 2 generates the set 2, 4, 8, 16.</i>
graph	to draw (a curve) as representing a given function to represent by means of a graph
guess	to arrive at or commit oneself to an opinion about (something) without having sufficient evidence to support the opinion fully to estimate or conjecture correctly
identify	recognize as being to establish the identity of
interpret	to give or provide the meaning of; explain; explicate; elucidate to conceive the significance of; construe
investigate	to observe or inquire into in detail; examine systematically
justify	to recognize or establish as being a particular person or thing; verify the identity of
list	a series of names or other items written or printed together in a meaningful grouping or sequence so as to constitute a record
locate	to determine or specify the position or limits of to find by searching, examining, or experimenting
look	to seek; search for
make	to produce; cause to exist or happen; bring about to draw a conclusion as to the significance or nature of to judge or interpret, as to the truth, nature, meaning, etc.
measure	to ascertain the extent, dimensions, quantity, capacity, etc., of, especially by comparison with a standard
model	to mark, layout, or establish dimensions for by measuring to plan, construct, or fashion according to a model to make conform to a chosen standard
multiply	to find the product of by multiplication
name	to identify, specify, or mention by name
order	to arrange (the elements of a set) so that if one element precedes another, it cannot be preceded by the other or by elements that the other precedes
organize	to arrange in a coherent form; systematize to arrange in a desired pattern or structure
perform	to execute or do something
predict	to state, tell about, or make known in advance, especially on the basis of special knowledge
read	interpret something that is written or printed to look at carefully so as to understand the meaning of (something written, printed, etc.)
recall	to bring back from memory; recollect; remember
recognize	to identify from knowledge of appearance or characteristics
record	to set down in writing or the like, as for the purpose of preserving evidence
relate	to tell; give an account of, or describe in some detail
represent	to express or designate by some term, character, symbol, or the like

round	to reduce successively the number of digits to the right of the decimal point of a mixed number by dropping the final digit and adding 1 to the next preceding digit if the dropped digit was 5 or greater, or leaving the preceding digit unchanged if the dropped digit was 4 or less
select	to choose in preference to another or others; pick out
simplify	to make less complex or complicated; make plainer or easier
sketch	to make a sketch of
solve	to work out the answer or solution to (a mathematical problem)
subtract	to take (one number or quantity) from another
tell	to reckon, calculate, consider, count
transform	to change the form of (a figure, expression, etc.) without in general changing the value
translate	to perform a translation on (a set, function, etc.)
understand	to perceive the meaning of; grasp the idea of; comprehend to have understanding, knowledge, or comprehension.
use	to employ for some purpose; put into service; make use of
validate	to make valid; substantiate; confirm
verify	to ascertain the truth or correctness of, as by examination, research, or comparison
work	to bring about (any result) by or as by work or effort
write	to express or communicate in writing; give a written account of to execute or produce by setting down words, figures, etc.

Source:

Dictionary.com. *The American Heritage® Dictionary of the English Language, Fourth Edition*. Houghton Mifflin Company, 2004. <http://dictionary.reference.com/browse/> (accessed: August 2(07)).

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