

“I Can” Common Core!

6th Grade Math

**I can use
ratios & proportional
relationships to help me
understand math.**

**I can understand ratios
and the language used to
describe two amounts.**

6.RP.A.1

I can understand how to find a rate when given a specific ratio. (Ex: We paid \$75 for 15 hamburgers, which is a rate of \$5 per hamburger.)

6.RP.A.2

**I can solve word
problems related to
ratios in order to figure
out the rate.**

6.RP.A.3

I can make tables of equivalent ratios, find missing values in the tables, plot those values on a coordinate plane, and use the tables to compare ratios.

6.RP.A.3a

I can solve unit rate problems.

**(Ex: If it took 7 hours to mow 4 lawns,
then at that rate, how many lawns
could be mowed in 35 hours? At what
rate were the lawns being mowed?)**

6.RP.A.3b

I can find a percent of a quantity as a rate per 100. (Ex: 30% of a quantity means 30/100 times the quantity).

6.RP.A.3c

**I can solve problems
involving finding the
whole if I am given a
part and the percent.**

6.RP.A.3c

**I can use what I know
about ratios to convert
units of measurement.**

6.RP.A.3d

**I can use the number
system to help me
understand math.**

**I can divide two
fractions.**

6.NS.A.1

**I can solve word
problems involving the
division of fractions
by fractions.**

6.NS.A.1

**I can divide
multi-digit numbers.**

6.NS.B.2

**I can add, subtract,
multiply and divide
multi-digit numbers
involving decimals.**

6.NS.B.3

**I can find the greatest
common factor of two
whole numbers less than
or equal to 100.**

6.NS.B.4

**I can find the least
common multiple of two
whole numbers less than
or equal to 12.**

6.NS.B.4

I can use the distributive property to show the sum of two whole numbers 1-100 in different ways. (Ex: show $36 + 8$ as $4(9+2)$).

6.NS.B.4

**I can understand that positive
and negative numbers are used
to describe amounts having
opposite values.**

6.NS.C.5

I can use positive and negative numbers to show amounts in real-world situations and explain what the number 0 means in those situations.

6.NS.C.5

**I can understand that a
rational number is a
point on a number line.**

6.NS.C.6

I can extend number line diagrams to show positive and negative numbers on the line and in the plane.

6.NS.C.6

**I can recognize opposite signs
of numbers as indicating
places on opposite sides of 0
on the number line.)**

6.NS.C.6a

I can understand signs of numbers in ordered pairs as indicating locations in quadrants of the coordinate plane.

6.NS.C.6b

**I can place integers and
other numbers on a
number line diagram.**

6.NS.C.6c

**I can place ordered pairs
on a coordinate plane.**

6.NS.C.6c

**I can order positive and
negative numbers.**

6.NS.C.7

**I can understand
absolute value of
rational numbers.**

6.NS.C.7

I can understand the distance between two numbers (positive or negative) on a number line.

6.NS.C.7a

**I can write, understand
and explain what rational
numbers mean in real-
world situations.**

6.NS.C.7b

**I can understand the
absolute value as the
number's distance from
0 on the number line.**

6.NS.C.7c

**I can understand
absolute values
as they apply to
real-world situations
6.NC.C.7c**

**I can tell the difference
between comparing absolute
values and ordering positive
and negative numbers.**

6.NS.C.7d

**I can graph in all four
quadrants of the coordinate
plane to help me solve real-
world and mathematical
problems.**

6.NS.C.8

**I can determine the
distance between points in
the same first coordinate or
the same second coordinate.
6.NS.C.8**

**I can use expressions
and equations to help me
understand math.**

**I can write and
understand numerical
expressions involving
whole number exponents.**

6.EE.A.

**I can write, read and
figure out expressions in
which letters
stand for numbers.**

6.EE.A.2

**I can write expressions
using numbers and
letters (with the letters
standing for numbers.)**

6.EE.A.2a

I can identify the parts of an expression using mathematical words (sum, term, product, factor, quotient, coefficient.)

6.EE.A.2b

**I can understand that in
 $2(8 + 7)$, $(8 + 7)$ can be
thought of as two
separate numbers or as 15.**

6.EE.A.2b

**I can determine the
answer to expressions
when given the specific
value of a variable.**

6.EE.A.2c

**I can use my
knowledge of the
order of operations
to evaluate expressions.**

6.EE.A.2

**I can use my knowledge
of the order of
operations to create
equivalent expressions.**

6.EE.A.3

**I can identify when two
expressions are
equivalent.**

6.EE.A.4

**I can understand that
solving an equation or
inequality is like
answering a question.**

6.EE.B.5

**I can use variables to
represent numbers and
write expressions when
solving real-world problems.**

6.EE.B.6

**I can solve real-world
and mathematical
problems by writing and
solving equations.**

6.EE.B.7

**I can write an inequality which
has many solutions and
represent these solutions
on a number line
(where $x > c$ or $x < c$).**

6.EE.B.8

I can use variables to represent two quantities in a real world problem and write an equation to express the quantities.

6.EE.C.9

**I can use graphs and tables
to show the relationship
between dependent and
independent variables.**

6.EE.C.9

**I can use geometry to
help me understand
math.**

I can put together and take apart shapes to help me find the area of right triangles, other triangles, special quadrilaterals and polygons.

I can make a line plot to display data sets of measurements in fractions.

6.G.A.1

**I can apply what I know about
taking apart and putting
together shapes to find the
area in real world situations.**

6.G.A.1

I can use unit cubes to find the volume of a right rectangular prism and I understand that the mathematical formula ($V = l w h$ or $V = b h$) will give me the same result.

6.G.A.2

I can use the mathematical formulas $V=l w h$ or $V= b h$ to determine the volume of real world objects.

6.G.A.2

**I can draw polygons in the
coordinate plane when I
am given the coordinates
for the vertices.**

6.G.A.3

I can use the coordinates of the vertices of a polygon on the coordinate plane to find the length of a side, joining points with the same first coordinate or the same second coordinate.

6.G.A.3

**I can apply what I have
learned about polygons on
coordinate planes to real world
and mathematical situations.**

6.G.A.3

I can show how three dimensional figures can be made using two dimensional nets. (A net is the pattern made when the surface of a three dimensional figure is laid out flat).

6.G.A.4

**I can figure out the
surface area of a three
dimensional shape
by using a net.**

6.G.A.4

**I can use statistics to
help me understand
math.**

I understand that the data in questions involving statistics is varied as it relates to the question and answers.

6.SP.A.1

I understand that a set of data collected to answer a statistical question has an overall shape, including a center and spread, when plotted on a graph.

6.SP.A.2

I understand that a set of numerical data has a measure of center (median and/or mean) that summarizes all of its values with a single number.

6.SP.A.3

I understand that in a set of numerical data, the measure of variation describes how its values vary with a single number.

6.SP.A.3

**I can show numerical
data on a number line.**

6.SP.B.4

**I can summarize sets of
numerical data
that are different.**

6.SP.B.5

**I can summarize data
by stating the
number of observations.**

6.SP.B.5a

**I can summarize data by
describing the characteristics
of what is being investigated,
including how it was measured.**

6.SP.B.5b

**I can summarize data by
giving numerical
measures of
center and variability.**

6.SP.B.5c

**I can summarize data by
describing the overall pattern
of the data and noticing
unusual deviations from the
overall pattern.**

6.SP.B.5c

I can summarize data by explaining how the distribution of the data on a graph determines its measure of center (median and/or mean).

6.SP.B.5.d