

6<sup>th</sup> Grade Math  
Ratios & Proportional  
Relationships  
CCSS "I Can"  
Statements



CCSS.MATH.CONTENT.6.RP.A.1

I can use what I know  
about ratios to  
describe the  
relationship between  
two quantities.



CCSS.MATH.CONTENT.6.RP.A.2

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.)



CCSS.MATH.CONTENT.6.RP.A.3

I can use reasoning to  
solve word problems  
involving rate and  
ratios.



CCSS.MATH.CONTENT.6.RP.A.3.A

I can make tables of equivalent ratios, find missing values in the tables and use the tables to compare ratios.



CCSS.MATH.CONTENT.6.RP.A.3.A

I can plot ratios on a  
coordinate plane.



CCSS.MATH.CONTENT.6.RP.A.3.B

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?)



CCSS.MATH.CONTENT.6.RP.A.3.C

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





CCSS.MATH.CONTENT.6.RP.A.3.C

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



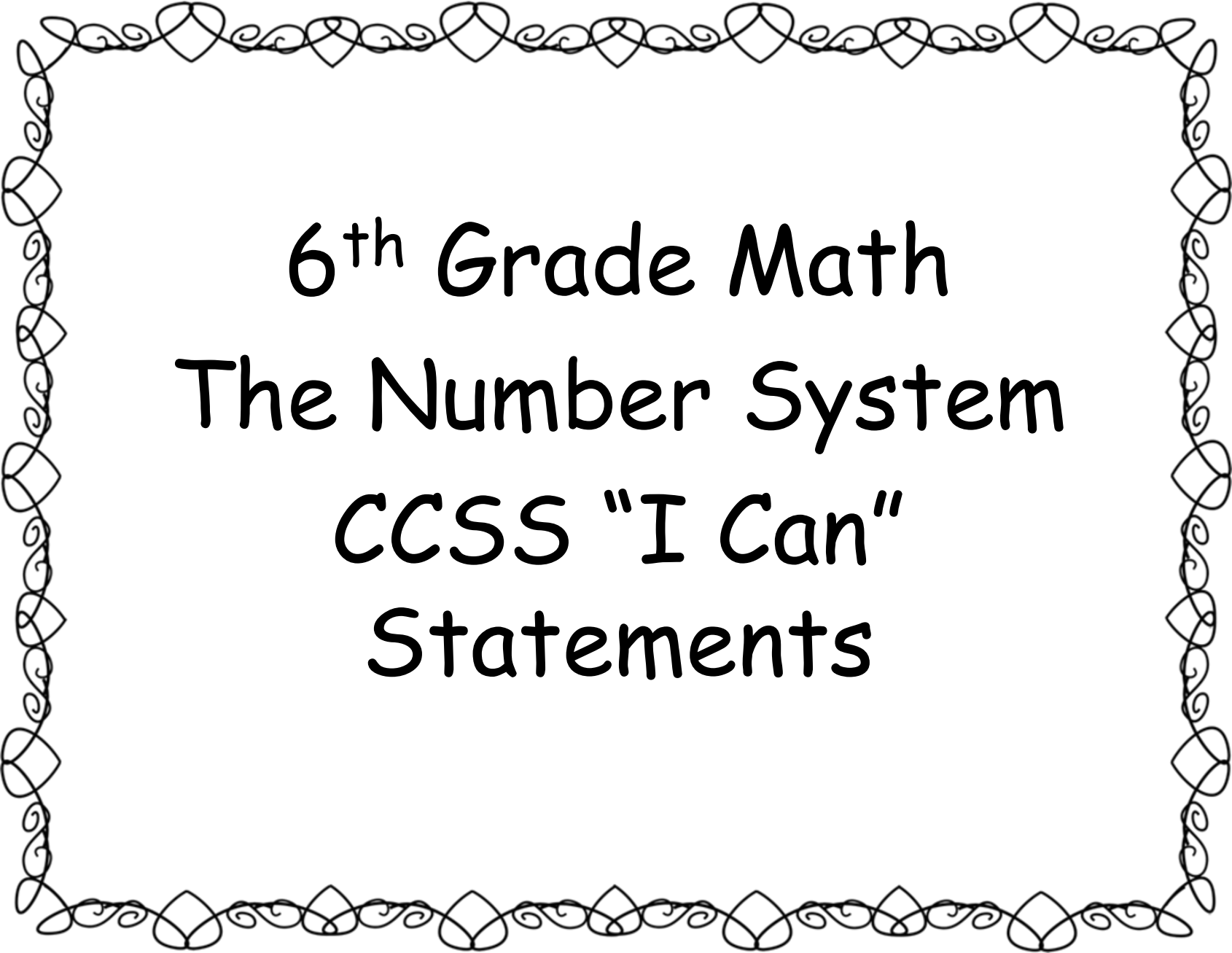
CCSS.MATH.CONTENT.6.RP.A.3.D

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



CCSS.MATH.CONTENT.6.RP.A.3.D

I can change units of  
measurement correctly  
when multiplying or  
dividing quantities.



6<sup>th</sup> Grade Math  
The Number System  
CCSS "I Can"  
Statements

A decorative rectangular border with a repeating pattern of stylized, overlapping leaf or scroll shapes.

CCSS.MATH.CONTENT.6.NS.A.1

I can divide two  
fractions.



CCSS.MATH.CONTENT.6.NS.A.1

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



CCSS.MATH.CONTENT.6.NS.B.2

I can easily divide  
multi-digit numbers.



CCSS.MATH.CONTENT.6.NS.B.3

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





CCSS.MATH.CONTENT.6.NS.B.4

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



CCSS.MATH.CONTENT.6.NS.B.4

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



CCSS.MATH.CONTENT.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  $4(9+2)$ ).



CCSS.MATH.CONTENT.6.NS.C.5

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



CCSS.MATH.CONTENT.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.



CCSS.MATH.CONTENT.6.NS.C.6

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



CCSS.MATH.CONTENT.6.NS.C.6

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



CCSS.MATH.CONTENT.6.NS.C.6

I can extend  
coordinate axes to  
show positive and  
negative numbers in the  
plane.





CCSS.MATH.CONTENT.6.NS.C.6.A

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



CCSS.MATH.CONTENT.6.NS.C.6.A

I can recognize that  
the opposite of the  
opposite of a number is  
actually the number  
itself. (Ex:  $-(-3)=3$ )



CCSS.MATH.CONTENT.6.NS.C.6.A

I can recognize that 0  
is its own opposite.



CCSS.MATH.CONTENT.6.NS.C.6.B

I can understand that  
the signs (- or +) of  
numbers in ordered  
pairs indicate locations  
in quadrants of the  
coordinate plane.



CCSS.MATH.CONTENT.6.NS.C.6.B

I can recognize two ordered pairs with differing signs as reflections of each other across one or both axes.



CCSS.MATH.CONTENT.6.NS.C.6.C

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



CCSS.MATH.CONTENT.6.NS.C.6.C

I can find and place  
ordered pairs on a  
coordinate plane.

A decorative rectangular border with a repeating pattern of interlocking loops and swirls, resembling a stylized floral or geometric design.

CCSS.MATH.CONTENT.6.NS.C.7

I can order rational  
numbers.





CCSS.MATH.CONTENT.6.NS.C.7

I can understand  
absolute value of  
rational numbers.



CCSS.MATH.CONTENT.6.NS.C.7.A

I can understand  
statements of  
inequality (ex:  $-3 > -7$ )  
and explain their  
positions and distances  
apart on a number line.



CCSS.MATH.CONTENT.6.NS.C.7.B

I can write, understand and explain how the order of rational numbers applies in real-world situations (Ex:  $-3^{\circ}\text{C} > -7^{\circ}\text{C}$  to show that  $-3^{\circ}\text{C}$  is warmer than  $-7^{\circ}\text{C}$ ).



CCSS.MATH.CONTENT.6.NS.C.7.C

I can understand the  
absolute value of a  
number as its distance  
from 0 on the number  
line.



CCSS.MATH.CONTENT.6.NS.C.7.C

I can understand absolute values as they apply to real-world situations (Ex: for an account balance of -30 dollars, write  $(-30)$  = 30 to describe the size of the debt in dollars.).



CCSS.MATH.CONTENT.6.NS.C.7.D

I can tell the difference between comparisons of absolute value from statements of order (Ex: An account balance less than  $-30$  dollars is a debt greater than  $30$  dollars.).



CCSS.MATH.CONTENT.6.NS.C.8

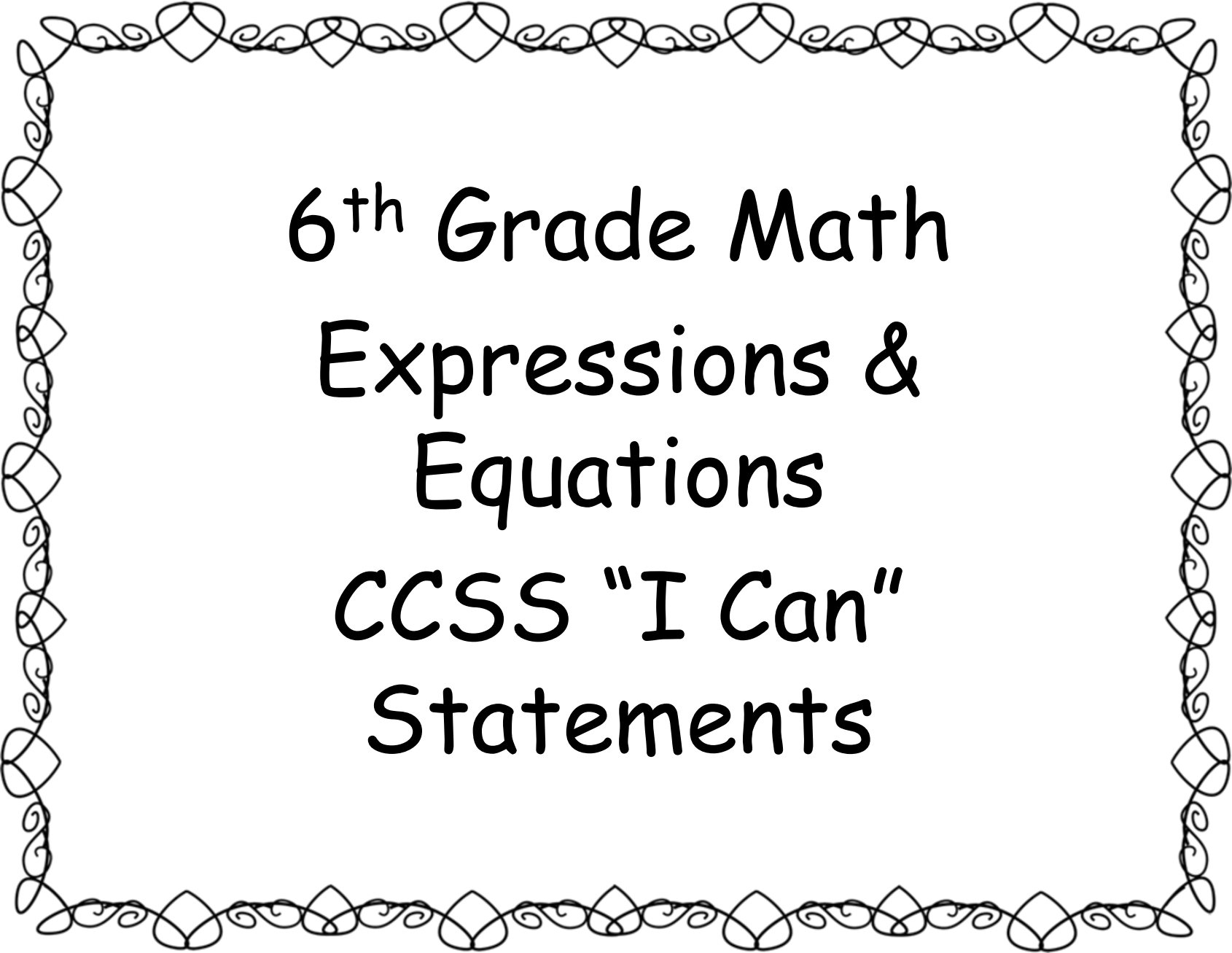
I can graph points in all four quadrants of the coordinate plane to help me solve real-world and mathematical problems.



CCSS.MATH.CONTENT.6.NS.C.8

I can use what I know about coordinates and absolute values to figure out the distance between points with the same first coordinate or the same second coordinate.





6<sup>th</sup> Grade Math  
Expressions &  
Equations  
CCSS "I Can"  
Statements



CCSS.MATH.CONTENT.6.EE.A.1

I can write and figure  
out numerical  
expressions that have  
whole-number  
exponents.



CCSS.MATH.CONTENT.6.EE.A.2

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



CCSS.MATH.CONTENT.6.EE.A.2.A

I can write expressions  
with numbers and with  
letters standing for  
numbers.



CCSS.MATH.CONTENT.6.EE.A.2.B

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



CCSS.MATH.CONTENT.6.EE.A.2.B

I can look at one or more parts of an expression in different ways. (Ex:  $8 + 7$  can be seen as the addition sentence or as the number 15.)



CCSS.MATH.CONTENT.6.EE.A.2.C

I can figure out  
different answers to  
expressions when given  
specific values for the  
variable.



CCSS.MATH.CONTENT.6.EE.A.2.C

I can solve real-world  
math problems involving  
expressions that arise  
from formulas.





CCSS.MATH.CONTENT.6.EE.A.2.C

I can solve math problems including those with exponents, in the usual order (when no parentheses are there to give a particular order).



CCSS.MATH.CONTENT.6.EE.A.3

I can apply what I know about the properties of operations (associative, commutative and distributive) to create equivalent (or equal) expressions.



CCSS.MATH.CONTENT.6.EE.A.4

I can recognize when  
two expressions are  
equivalent.



CCSS.MATH.CONTENT.6.EE.B.5

I can understand that solving an equation or inequality means that I find out which values can make the equation or inequality true.



CCSS.MATH.CONTENT.6.EE.B.5

I can try different numbers in place of a variable to figure out which makes the equation or inequality true.



CCSS.MATH.CONTENT.6.EE.B.6

I can use variables to  
represent numbers and  
write expressions to  
solve real-world  
problems.



CCSS.MATH.CONTENT.6.EE.B.6

I can understand that a variable can stand for an unknown number or any number in a given set of numbers.



CCSS.MATH.CONTENT.6.EE.B.7

I can solve real-world and mathematical problems by writing and solving equations of the form  $x + p = q$  and  $px = q$  (where  $p$ ,  $q$  and  $x$  are all nonnegative rational numbers).





CCSS.MATH.CONTENT.6.EE.B.8

I can write an inequality  
( $x > c$  or  $x < c$ ) to stand  
for a limitation or  
condition in a real-world  
or mathematical problem  
that has infinitely many  
solutions.



CCSS.MATH.CONTENT.6.EE.B.8

I can show the answers  
to problems involving  
inequalities on number  
line diagrams.



CCSS.MATH.CONTENT.6.EE.C.9

I can use variables that  
change in relationship  
to one another to  
represent two  
quantities in a real  
world problem.



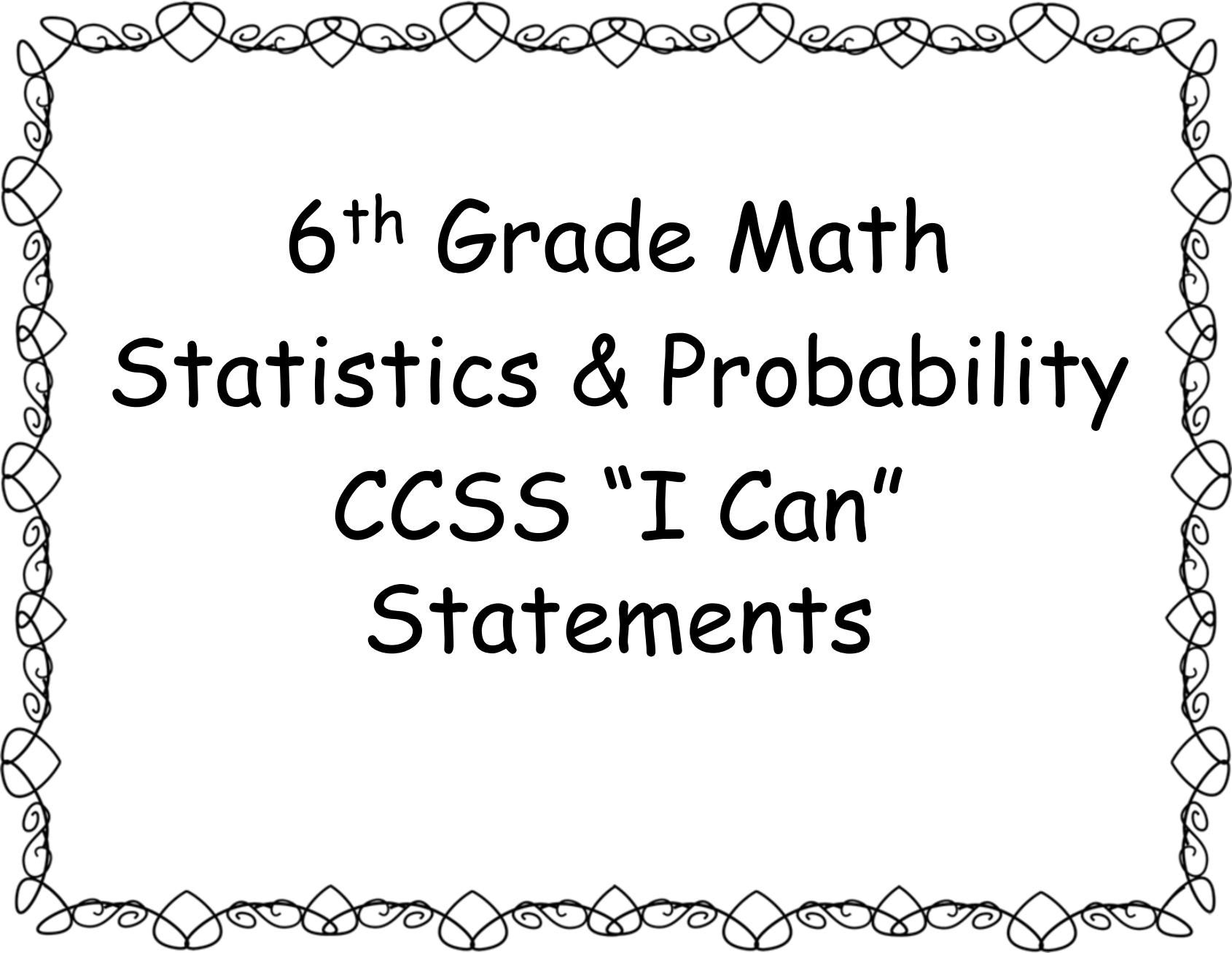
CCSS.MATH.CONTENT.6.EE.C.9

I can write an equation to show one quantity (the dependent variable) in terms of the other quantity (the independent variable).



CCSS.MATH.CONTENT.6.EE.C.9

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



6<sup>th</sup> Grade Math  
Statistics & Probability  
CCSS "I Can"  
Statements



CCSS.MATH.CONTENT.6.SP.A.1

I can recognize a statistical question as one that expects variability in the data related to the question.



CCSS.MATH.CONTENT.6.SP.A.2

I can understand that a set of data collected to answer a statistical question has a distribution that can be described by its center, spread and overall shape when plotted on a graph.





CCSS.MATH.CONTENT.6.SP.A.3

I can 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.



CCSS.MATH.CONTENT.6.SP.A.3

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



CCSS.MATH.CONTENT.6.SP.B.4

I can understand that a distribution of a variable is the description of the relative number of times each possible outcome will occur.



CCSS.MATH.CONTENT.6.SP.B.4

I can show numerical data in plots on a number line (including dot plots, histograms and box plots).



CCSS.MATH.CONTENT.6.SP.B.5

I can summarize sets  
of numerical data in  
relation to their  
circumstances.



CCSS.MATH.CONTENT.6.SP.B.5.A

I can summarize data  
by stating the number  
of observations.



CCSS.MATH.CONTENT.6.SP.B.5.B

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



CCSS.MATH.CONTENT.6.SP.B.5.C

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





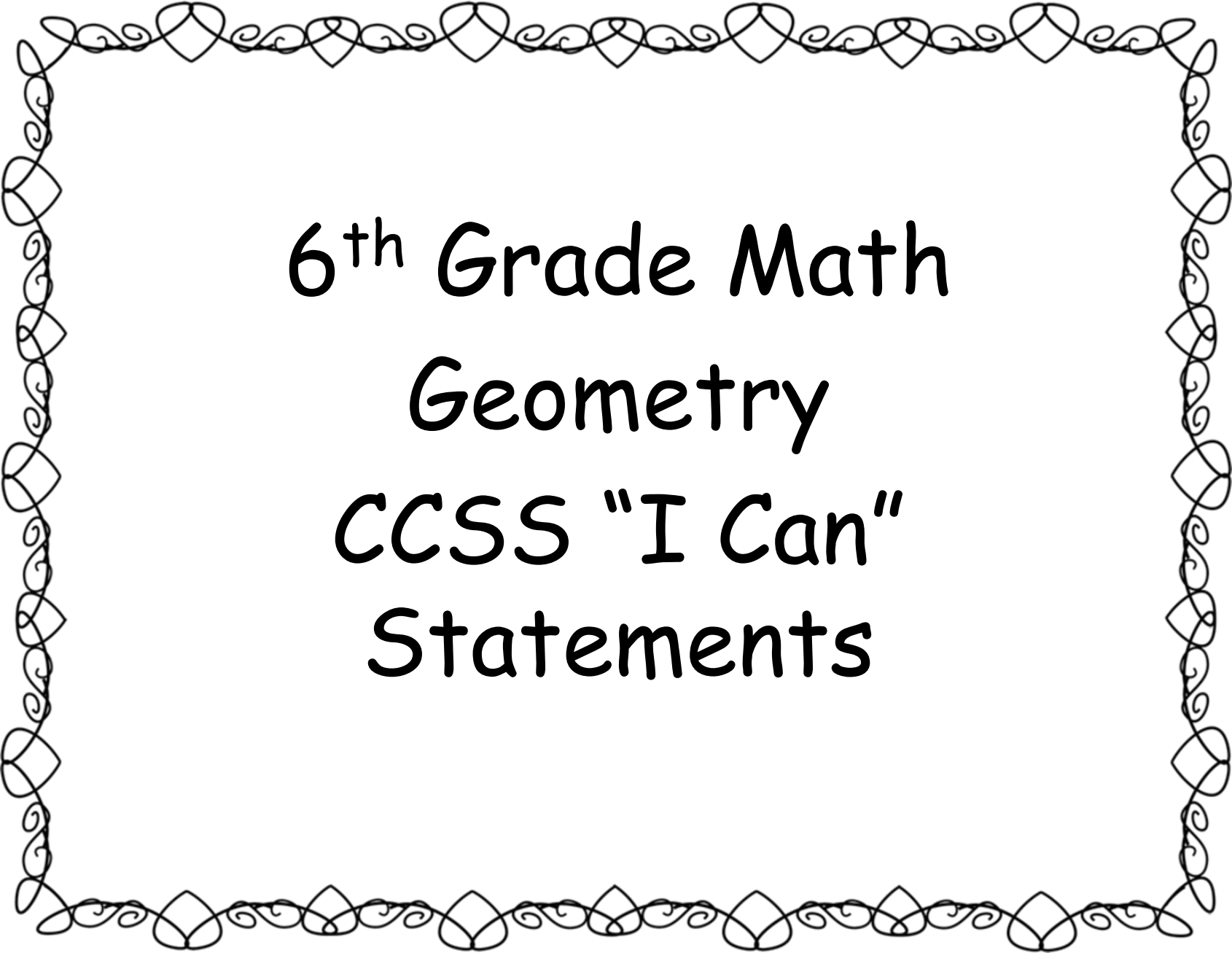
CCSS.MATH.CONTENT.6.SP.B.5.C

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



CCSS.MATH.CONTENT.6.SP.B.5.D

I can summarize data by explaining how the distribution of the data on a graph relates to the choice of measures of center and variability.



6<sup>th</sup> Grade Math  
Geometry  
CCSS "I Can"  
Statements



CCSS.MATH.CONTENT.6.G.A.1

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



CCSS.MATH.CONTENT.6.G.A.1

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



CCSS.MATH.CONTENT.6.G.A.2

I can use unit cubes to  
find the volume of any  
right rectangular prism.



CCSS.MATH.CONTENT.6.G.A.2

I can understand that  
the mathematical  
formula ( $V = l w h$  or  $V =$   
 $b h$ ) will give me the same  
result as using unit cubes  
to figure out the volume.



CCSS.MATH.CONTENT.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.





CCSS.MATH.CONTENT.6.G.A.3

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



CCSS.MATH.CONTENT.6.G.A.3

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



CCSS.MATH.CONTENT.6.G.A.3

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



CCSS.MATH.CONTENT.6.G.A.4

I can represent and figure out the surface area of a three dimensional shape by using nets made up of rectangles and triangles.



CCSS.MATH.CONTENT.6.G.A.4

I can apply my skills  
involving finding  
surface area with nets  
in real-world and  
mathematical problems.