4th Grade Math

Operations & Algebraic Thinking

CCSS "I Can" Statements

CCSS.MATH.CONTENT.4.OA.A.1

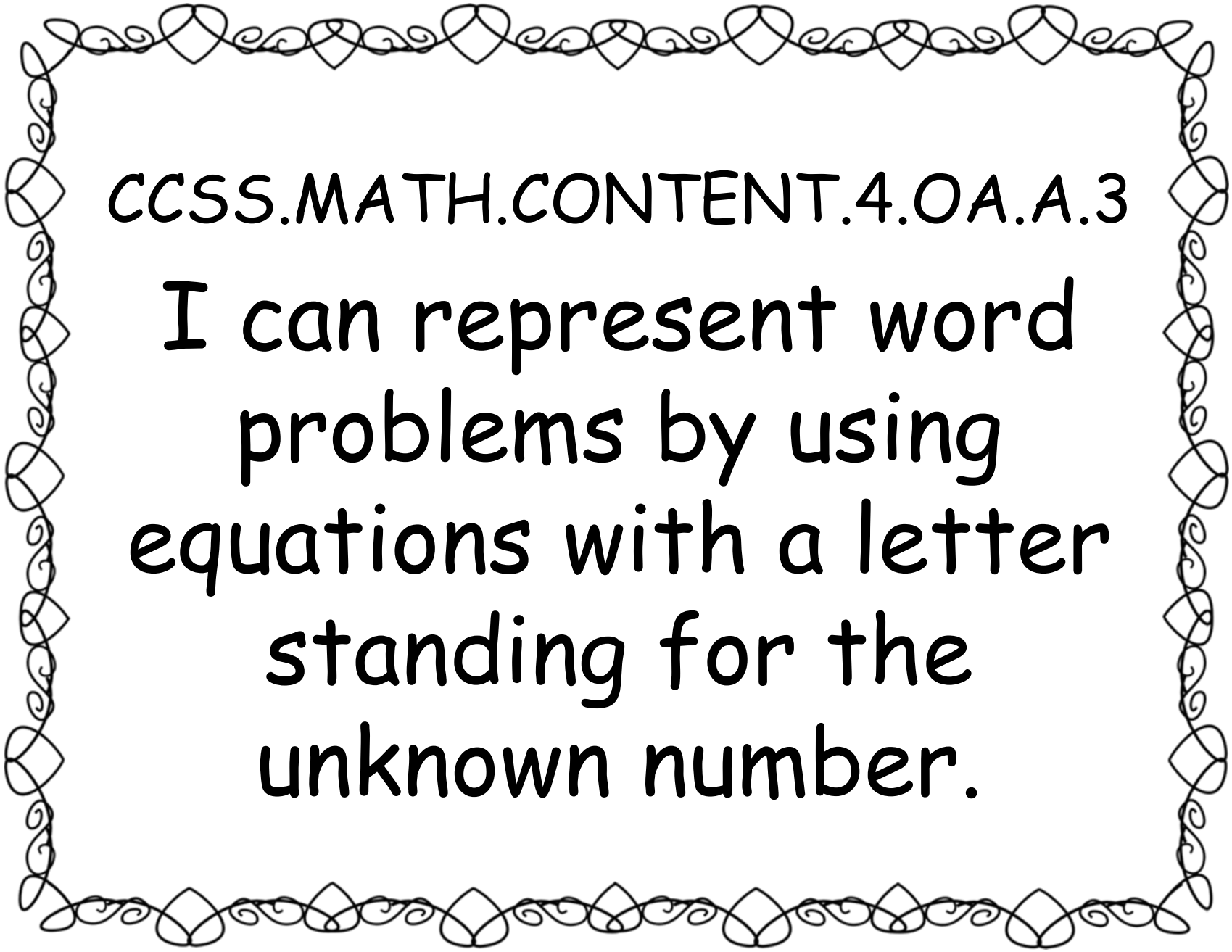
I can understand that multiplication equations can be seen as comparisons of groups (e.g., 24 = 4 x 6 can be thought of as 4 groups of 6 or 6 groups of 4).

CCSS.MATH.CONTENT.4.OA.A.2

I can multiply or divide to solve word problems by using drawings or writing equations and solving for a missing number.

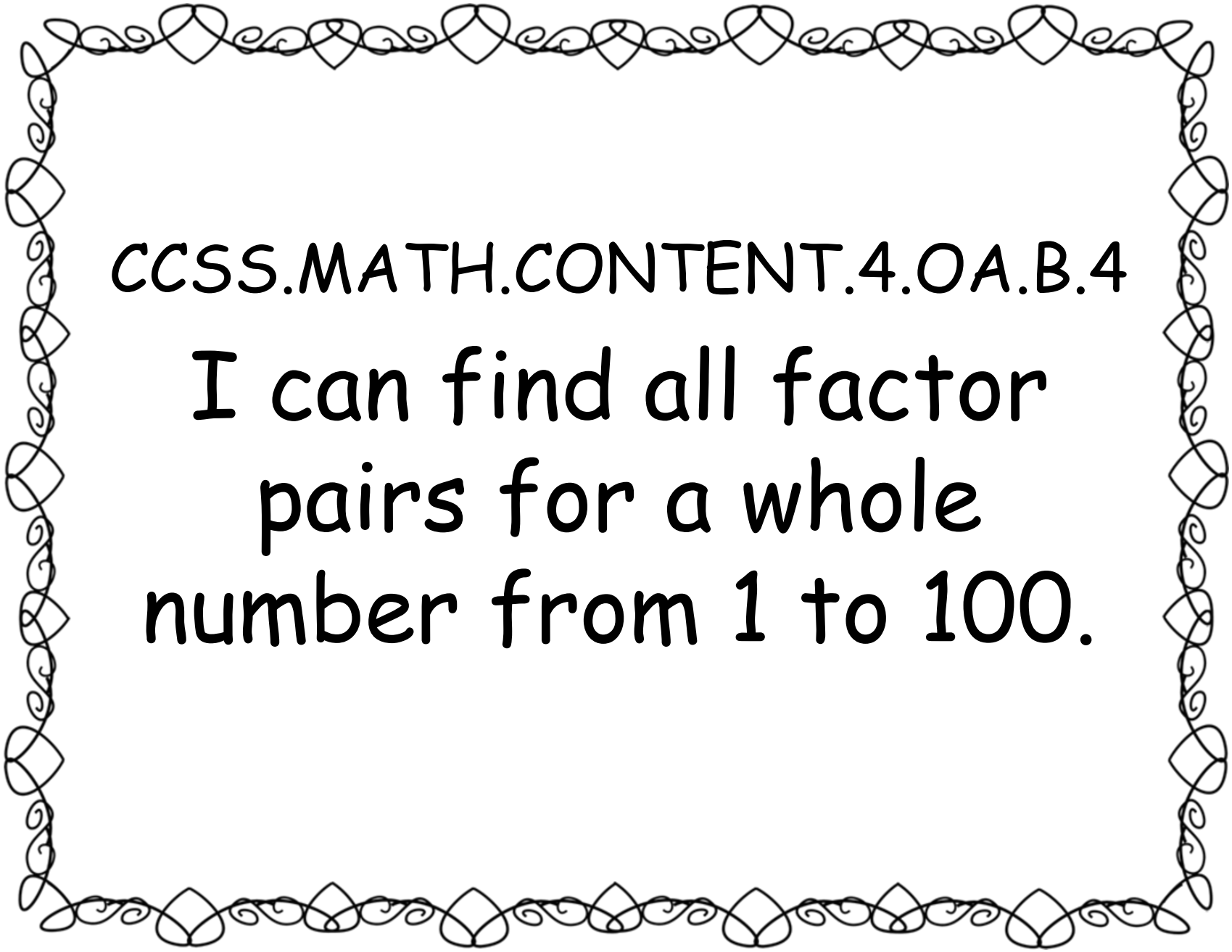
CCSS.MATH.CONTENT.4.OA.A.3

I can use what I know about addition, subtraction, multiplication and division to solve multi-step word problems involving whole numbers.


CCSS.MATH.CONTENT.4.OA.A.3
I can represent word problems by using equations with a letter standing for the unknown number.

CCSS.MATH.CONTENT.4.OA.A.3

I can determine how reasonable my answers to word problems are by using estimation, mental math and rounding.


CCSS.MATH.CONTENT.4.OA.B.4
I can find all factor pairs for a whole number from 1 to 100.

CCSS.MATH.CONTENT.4.OA.B.4

I can recognize a whole number as a multiple of each of its factors.

CCSS.MATH.CONTENT.4.OA.B.4

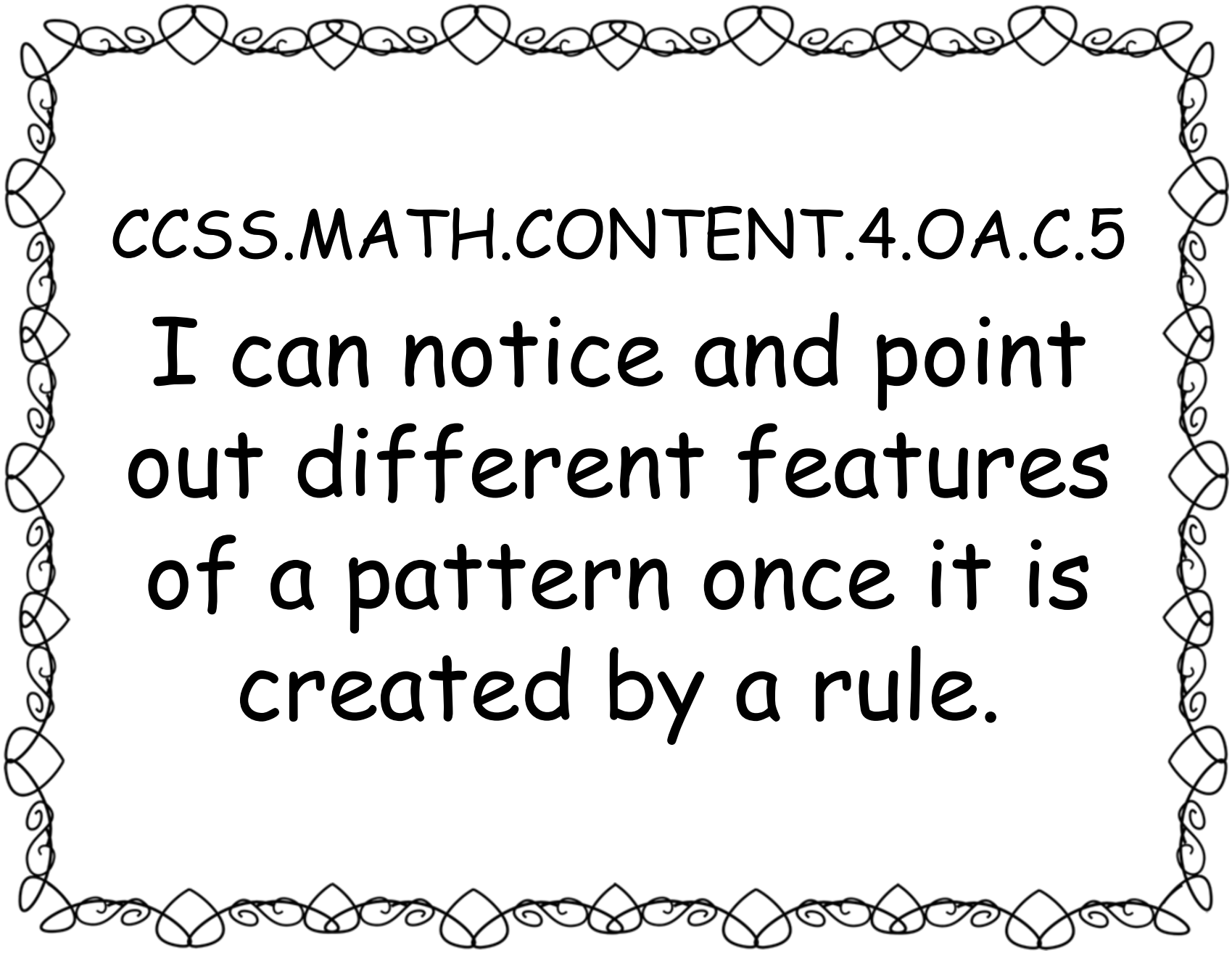
I can determine whether a whole number from 1 to 100 is a multiple of a given one-digit number.

CCSS.MATH.CONTENT.4.OA.B.4

I can determine whether a given whole number up to 100 is a prime or composite number.

CCSS.MATH.CONTENT.4.OA.C.5

I can create a number or shape pattern that follows a given rule.


CCSS.MATH.CONTENT.4.OA.C.5
I can notice and point out different features of a pattern once it is created by a rule.

4th Grade Math
Number & Operations
In Base Ten
CCSS "I Can"
Statements

CCSS.MATH.CONTENT.4.NBT.A.1

I can recognize that in a multi-digit whole number, a digit in one place represents ten times what it represents in the place to its right.

CCSS.MATH.CONTENT.4.NBT.A.2

I can read and write larger whole numbers using numerals, words and in expanded form.

CCSS.MATH.CONTENT.4.NBT.A.2

I can compare two larger numbers by using what I know about the values in each place. symbols to show the comparison.

CCSS.MATH.CONTENT.4.NBT.A.2

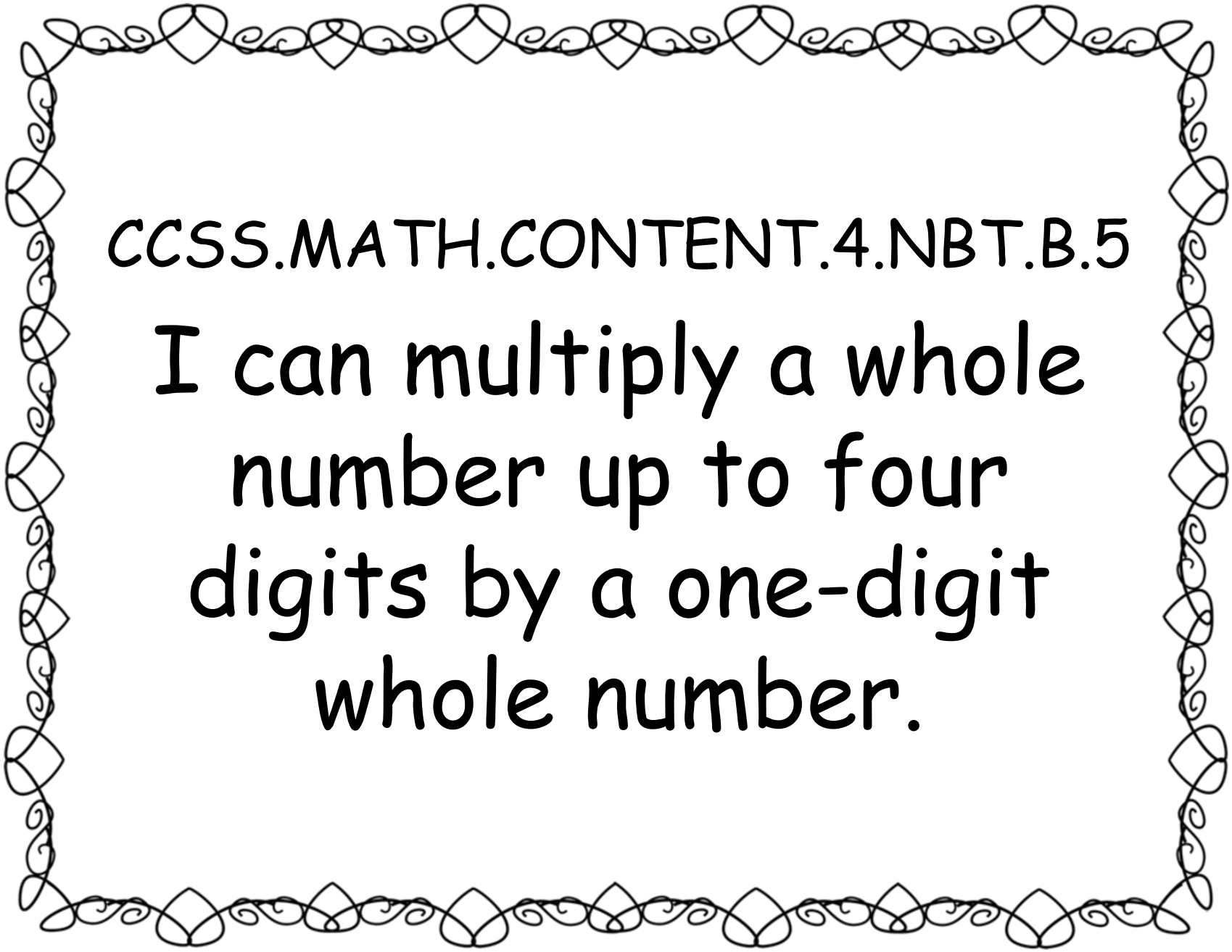
I can compare two larger numbers and use the symbols >, = and < to show the comparison.

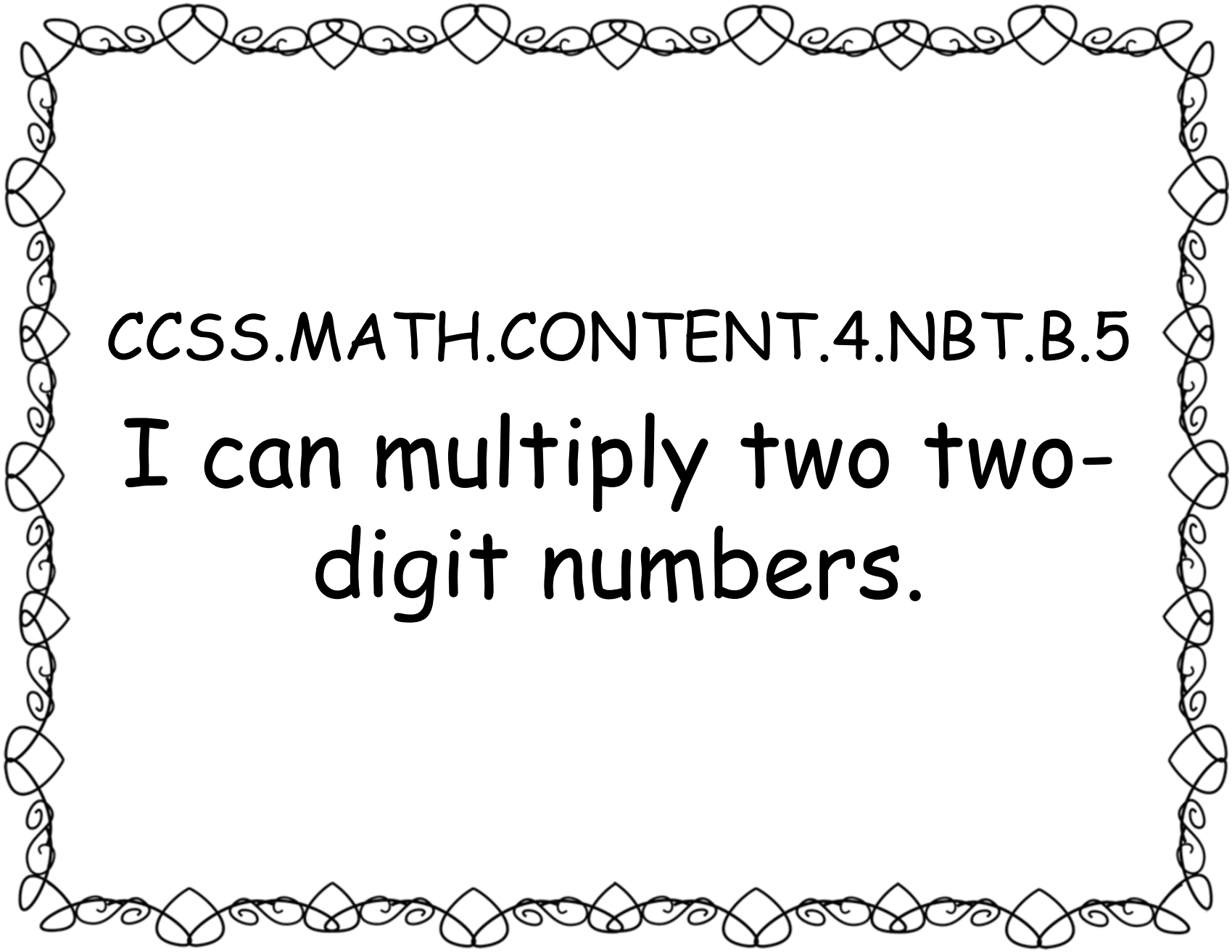
CCSS.MATH.CONTENT.4.NBT.A.3

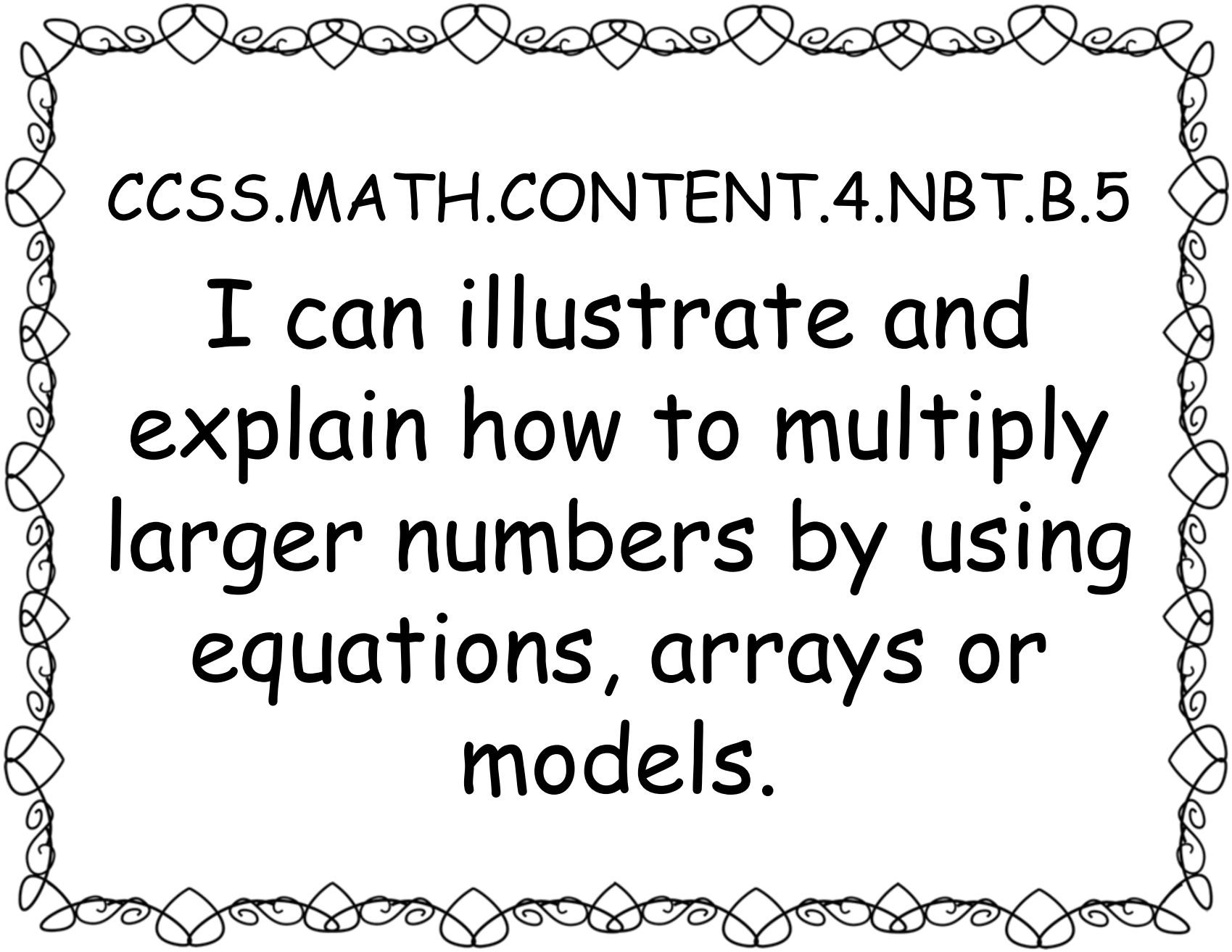
I can round larger whole numbers to any place.

CCSS.MATH.CONTENT.4.NBT.B.4

I can add and subtract larger numbers.


CCSS.MATH.CONTENT.4.NBT.B.5
I can multiply a whole number up to four digits by a one-digit whole number.


CCSS.MATH.CONTENT.4.NBT.B.5
I can multiply two two-digit numbers.

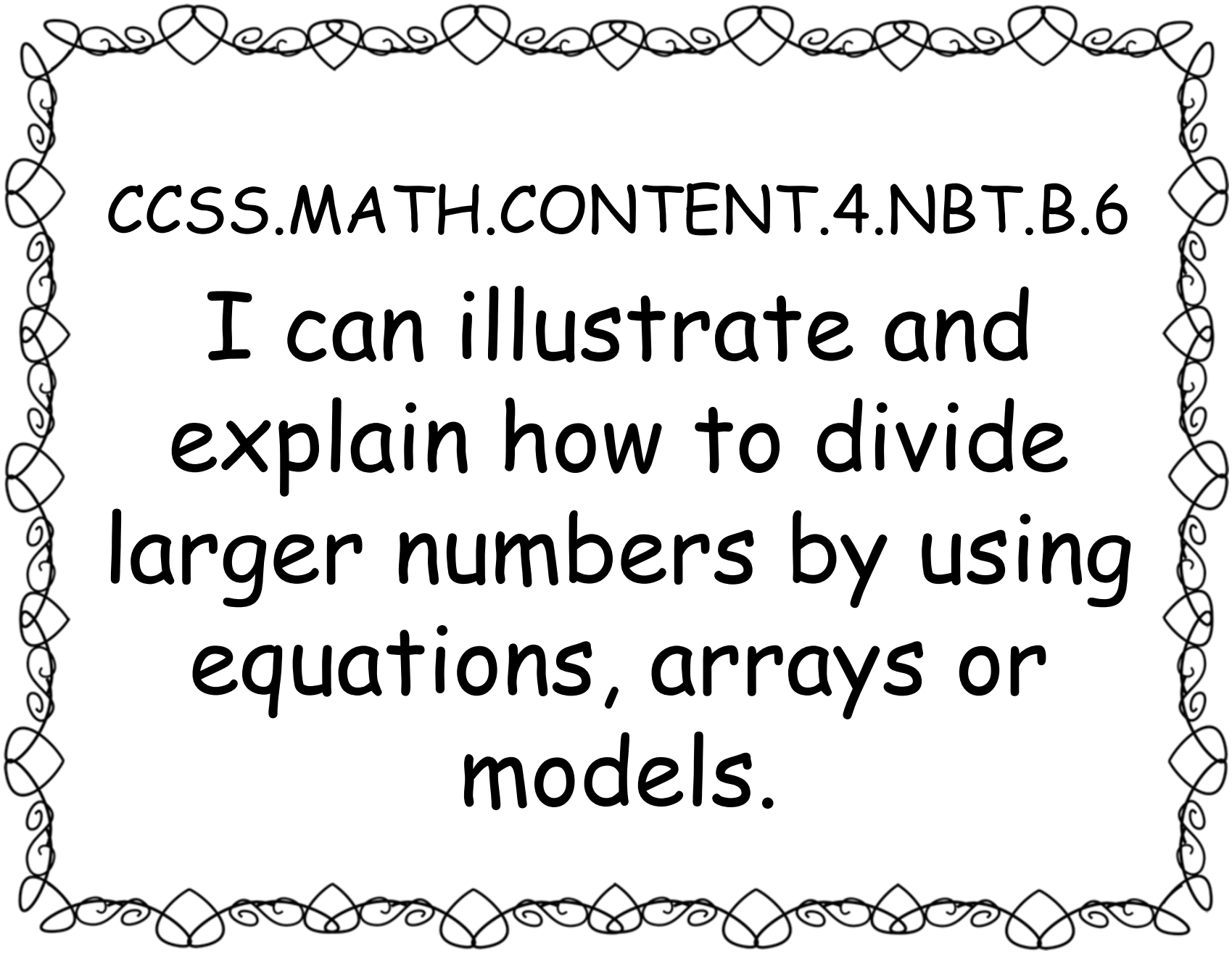

CCSS.MATH.CONTENT.4.NBT.B.5
I can illustrate and explain how to multiply larger numbers by using equations, arrays or models.

CCSS.MATH.CONTENT.4.NBT.B.6

I can find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors.

CCSS.ELA-LITERACY.RL.4.7

I can make connections between a written text and a visual or oral presentation of the same text.


CCSS.MATH.CONTENT.4.NBT.B.6
I can illustrate and explain how to divide larger numbers by using equations, arrays or models.

4th Grade Math

Number & Operations – Fractions

CCSS "I Can" Statements

CCSS.MATH.CONTENT.4.NF.A.1

I can explain (and show models for) why multiplying a numerator and a denominator by the same number does not change the value of a fraction.

CCSS.MATH.CONTENT.4.NF.A.1

I can recognize and generate equivalent fractions based on my knowledge of numerators and denominators.

CCSS.MATH.CONTENT.4.NF.A.2

I can compare two fractions with different numerators and different denominators by creating common denominators or numerators or by comparing them to a benchmark fraction like one-half.

CCSS.MATH.CONTENT.4.NF.A.2

I can recognize that comparisons of fractions are valid only when the two fractions refer to the same whole.

CCSS.MATH.CONTENT.4.NF.A.2

I can compare fractions using the symbols >, = and <, and justify the comparison by using models.

CCSS.MATH.CONTENT.4.NF.B.3

I can understand a fraction a/b, with a > 1, as a sum of fractions 1/b.

CCSS.MATH.CONTENT.4.NF.B.3.A

I can understand addition and subtraction of fractions as joining and separating parts referring to the same whole.

CCSS.MATH.CONTENT.4.NF.B.3.B

I can decompose a fraction into a sum of fractions with the same denominator in more than one way and justify my work using models.

CCSS.MATH.CONTENT.4.NF.B.3.C

I can add and subtract mixed numbers with like denominators.

CCSS.MATH.CONTENT.4.NF.B.3.D

I can solve word problems involving addition and subtraction of fractions that refer to the same whole and that have like denominators.

CCSS.MATH.CONTENT.4.NF.B.4

I can apply my understanding of multiplication to multiply a fraction by a whole number.

CCSS.MATH.CONTENT.4.NF.B.4.A

I can understand a fraction a/b as a multiple of 1/b (e.g., I know that 5/4 is the product of 5 x (1/4).)

CCSS.MATH.CONTENT.4.NF.B.4.B

I can understand a multiple of a/b as a multiple of 1/b and use that knowledge to multiply a fraction by a whole number (e.g., n x (a/b) = (n x a)/b).

CCSS.MATH.CONTENT.4.NF.B.4.C

I can solve word problems involving multiplication of a fraction by a whole number.

CCSS.MATH.CONTENT.4.NF.C.5

I can show a fraction with a denominator of 10 as an equivalent fraction with a denominator of 100 in order to add the two fractions.

CCSS.MATH.CONTENT.4.NF.C.6

I can use decimals to show fractions with denominators of 10 and 100.

CCSS.MATH.CONTENT.4.NF.C.7

I can compare two decimals to hundredths by reasoning about their size and realizing that the comparison is only true if the two decimals refer to the same whole.

CCSS.MATH.CONTENT.4.NF.C.7

I can compare decimals using the symbols >, = and <, and justify the comparison by using models.

4th Grade Math
Measurement & Data
CCSS "I Can" Statements

CCSS.MATH.CONTENT.4.MD.A.1

I can show that I know the relative size of measurement units within one system of units (including km, m, cm; kg, g; lb, oz; l, ml; hr, min, sec).

CCSS.MATH.CONTENT.4.MD.A.1

I can show the measurements in a larger unit in terms of smaller units and record these in a table.

CCSS.MATH.CONTENT.4.MD.A.2

I can use the four operations (+, -, x, ÷) to solve word problems involving measurement.

CCSS.MATH.CONTENT.4.MD.A.2

I can solve measurement problems involving simple fractions and decimals.

CCSS.MATH.CONTENT.4.MD.A.2

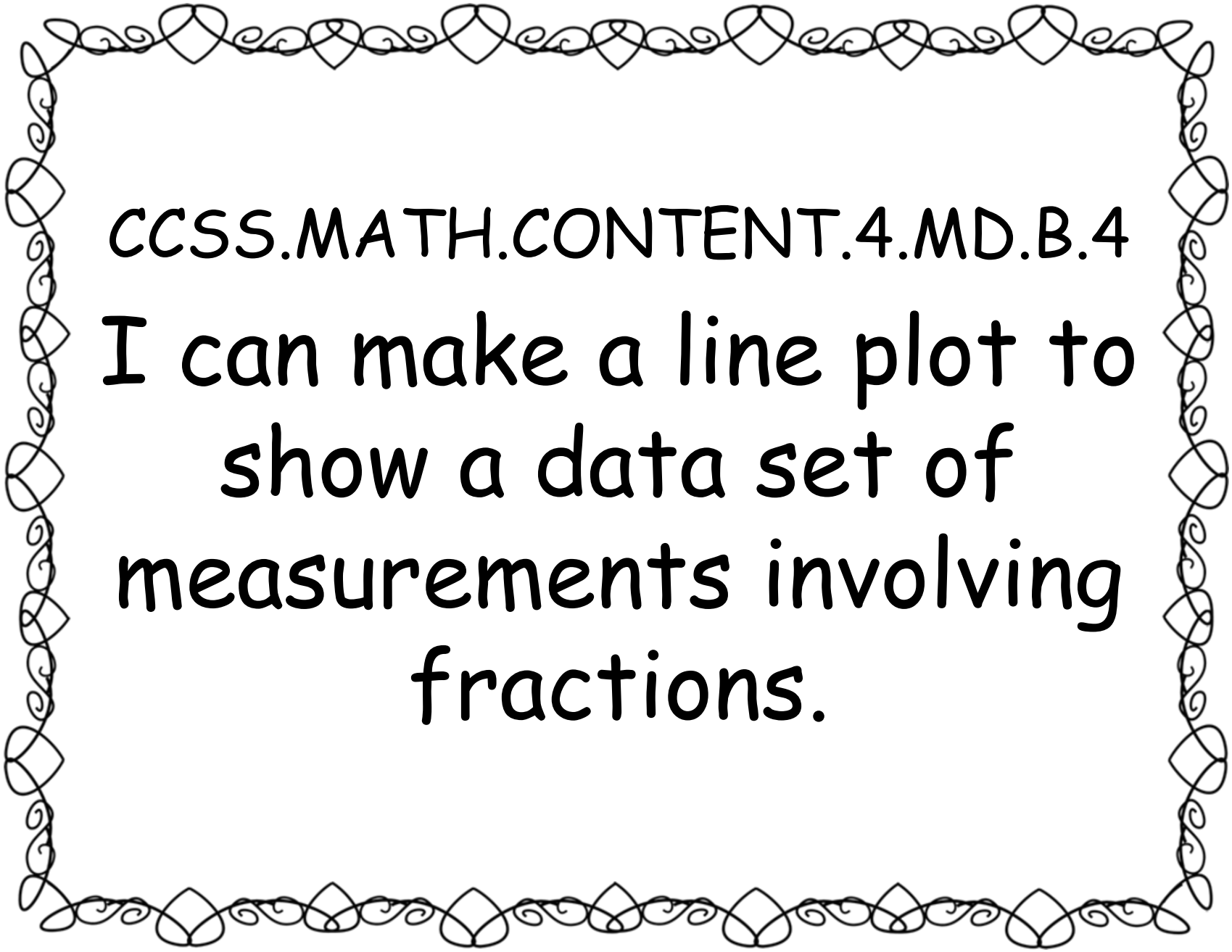
I can solve problems that ask me to express measurements given in a larger unit in terms of a smaller unit.

CCSS.MATH.CONTENT.4.MD.A.2

I can show measurement quantities using diagrams that involve a measurement scale (e.g., a number line).

CCSS.MATH.CONTENT.4.MD.A.3

I can use what I know about area and perimeter to solve real world problems involving rectangles.


CCSS.MATH.CONTENT.4.MD.B.4
I can make a line plot to show a data set of measurements involving fractions.

CCSS.MATH.CONTENT.4.MD.B.4

I can solve problems involving addition and subtraction of fractions by using information shown in line plots.

CCSS.MATH.CONTENT.4.MD.C.5

I can recognize angles as geometric shapes where two rays share a common endpoint.

CCSS.MATH.CONTENT.4.MD.C.5

I can understand concepts of angle measurement.

CCSS.MATH.CONTENT.4.MD.C.5.A

I can understand that angles are measured with reference to a 360°circle, with its center at the common endpoint of the rays.

CCSS.MATH.CONTENT.4.MD.C.5.B

I can understand that an angle that turns through n one-degree angles is said to have an angle measurement of n degrees.

CCSS.MATH.CONTENT.4.MD.C.6

I can use a protractor to measure and sketch angles in whole-number degrees.

CCSS.MATH.CONTENT.4.MD.C.7

I can solve real-world and mathematical addition and subtraction problems to find unknown angles.

4th Grade Math
Geometry
CCSS "I Can" Statements

CCSS.MATH.CONTENT.4.G.A.1

I can identify and draw points, lines, line segments, rays, angles and perpendicular & parallel lines.

CCSS.MATH.CONTENT.4.G.A.2

I can classify two-dimensional shapes based on what I know about their geometrical attributes.

CCSS.MATH.CONTENT.4.G.A.2

I can recognize and identify right triangles.

CCSS.MATH.CONTENT.4.G.A.3

I can recognize, identify and draw lines of symmetry.