

Math Practices Checklist

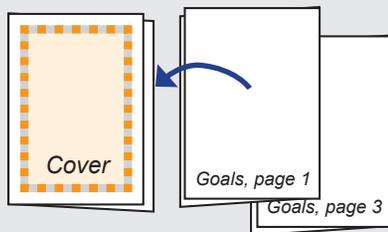
I am a star because...

- 1. I don't give up easily.
- 2. I know how to use symbols when solving problems.
- 3. I give very good explanations.
- 4. I can write or draw models for problems.
- 5. I know how to choose and use math tools.
- 6. I pay attention to details when showing work.
- 7. I can break problems into parts.
- 8. I look for shortcuts when solving problems.



Making a Leaflet

Fold all three sheets in half as shown. Put goal pages 1-4 within cover sheet and staple along left edge.



Grade 4 Math "I Can" Goals Leaflet (Published 08/08/2014 & Updated 07/14/2022)

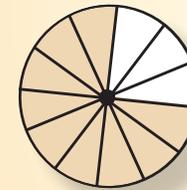
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Name _____

COMMON CORE STATE STANDARDS

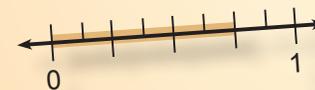
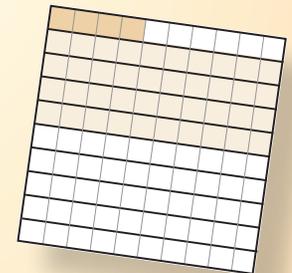
Grade 4 Math

"I Can" Goals Checklist

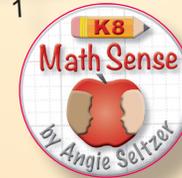


444,444

$$\frac{3}{4} + \frac{3}{4}$$



$$4\frac{1}{4}$$



44 × 44

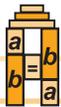
Courtesy of K8 Math Sense for 2022-2023

Name _____

Class _____ Date _____



For each goal that has been mastered, mark the box and write the date.



OPERATIONS AND ALGEBRAIC THINKING

1 Use the four operations with whole numbers to solve problems.

- 1. I can interpret multiplication as “times as many.” _____
- 2. I can distinguish multiplicative from additive comparison in word problems. _____
- 3. I can solve number sentences involving multiple operations. _____
- 4. I can solve multi-step word problems using number sentences. _____
- 5. I can interpret remainders in division problems. _____
- 6. I can estimate to assess reasonableness of answers. _____

2 Gain familiarity with factors and multiples.

- 1. I can list factors pairs for numbers 1 to 100. _____
- 2. I can recognize factors and multiples. _____
- 3. I can recognize prime and composite numbers. _____

3 Generate and analyze patterns.

- 1. I can complete number patterns. _____
- 2. I can generate number or shape patterns from rules. _____
- 3. I can identify and explain features of patterns. _____



NUMBER AND OPERATIONS IN BASE TEN

1 Generalize place value understanding for multi-digit whole numbers.

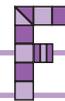
- 1. I can relate place value to multiplication and division by 10. _____

Name _____

- 2. I can read and write numbers to 1 million. _____
- 3. I can convert between standard and expanded forms of whole numbers. _____
- 4. I can compare whole numbers up to 1 million. _____
- 5. I can round multi-digit whole numbers to any place. _____
- 6. I can add and subtract whole numbers using place-value concepts. _____

2 Use place value understanding and properties of operations to perform multi-digit arithmetic.

- 1. I can add multi-digit numbers using the standard algorithm. _____
- 2. I can subtract multi-digit number using the standard algorithm. _____
- 3. I can multiply 2-digit by 1-digit numbers using place value and/or models. _____
- 4. I can multiply 3- and 4-digit by 1-digit numbers using place value and/or models. _____
- 5. I can multiply 2-digit by 2-digit numbers using place value and/or models. _____
- 6. I can relate division and multiplication. _____
- 7. I can divide 2-digit dividends by 1-digit divisors using place value and/or models. _____
- 8. I can divide 3- and 4-digit dividends by 1-digit divisors using place value and/or models. _____



NUMBER AND OPERATIONS — FRACTIONS

1 Extend understanding of fraction equivalence and ordering.

- 1. I can identify equivalent fractions using models. _____
- 2. I can write fractions equivalent to a given fraction. _____
- 3. I can compare fractions by rewriting them with a common denominator. _____
- 4. I can compare fractions by using models. _____

5. I can compare fractions by comparing to benchmarks. _____

2 Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.

1. I can decompose fractions and mixed numbers, and write as equations. _____

2. I can add and subtract fractions with like denominators. _____

3. I can add and subtract mixed numbers with like denominators. _____

4. I can add and subtract fractions to solve word problems. _____

5. I can decompose a non-unit fraction as a whole number times a unit fraction. _____

6. I can multiply fractions by whole numbers. _____

3 Understand decimal notation for fractions, and compare decimal fractions.

1. I can express fractions in tenths as hundredths. _____

2. I can add fractions in tenths and hundredths. _____

3. I can convert between decimals and fractions in tenths or hundredths. _____

4. I can locate decimals on a number line. _____

5. I can compare two decimals to hundredths. _____



GEOMETRY

1 Draw and identify lines and angles, and classify shapes by properties of their lines and angles.

1. I can identify and draw points, lines, and line segments. _____

2. I can identify and draw parallel and perpendicular lines. _____

3. I can identify and draw rays and acute, right, and obtuse angles. _____

4. I can classify and identify triangles by angles. _____

5. I can identify and draw lines of symmetry. _____



MEASUREMENT AND DATA

1 Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.

1. I can compare measurement units and convert from larger to smaller units. _____

2. I can create or complete tables of equivalent measurements. _____

3. I can solve problems involving distance, time, and elapsed time. _____

4. I can solve problems involving capacity (liquid volume) and weight (mass). _____

5. I can solve problems involving money. _____

6. I can represent measurements on number line diagrams. _____

7. I can solve problems involving area of rectangles. _____

8. I can solve problems involving perimeter of rectangles. _____

2 Represent and interpret data.

1. I can make line plots using data including fractions. _____

2. I can solve problems involving data shown on a line plot. _____

3 Understand concepts of angle and measure angles.

1. I can relate degrees to fractions of a circle. _____

2. I can measure and draw angles using a protractor. _____

3. I can solve problems involving angle measurements. _____