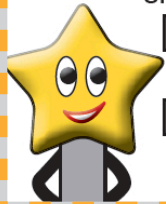


## Math Practices Checklist

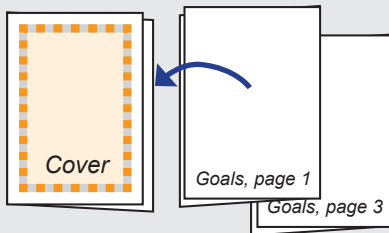
I am a star because...

- 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 08/28/2018)

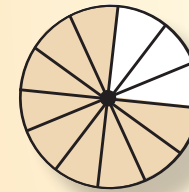
Copyright © K-8 Math Sense, 549 Acorn Drive, Oakwood, Ohio 45419. Written and illustrated by Angie Seltzer. Teachers and schools have permission to distribute to teachers, parents, students, and staff for noncommercial use. Highlighted cluster statements and Standards for Mathematical Practice © 2010 by National Governors Association Center for Best Practices and Council of Chief State School Officers. All Rights Reserved. Find out about related resources at [www.k8mathsense.com](http://www.k8mathsense.com).

Name \_\_\_\_\_

COMMON CORE STATE STANDARDS

## Grade 4 Math

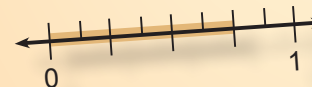
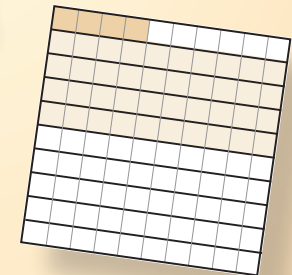
# "I Can" Goals Checklist



444,444

44 × 44

$$4\frac{1}{4} \quad \frac{3}{4} + \frac{3}{4}$$



Courtesy of K-8 Math Sense for 2018-2019

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.

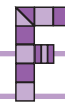
- 1. I can relate place value to multiplication and division by 10.  \_\_\_\_\_

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.  \_\_\_\_\_