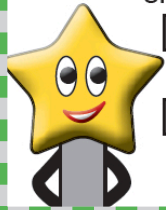


Math Practices Checklist

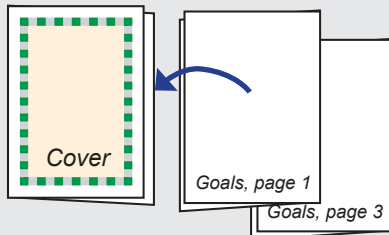
I am a star because...

- 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 5 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.

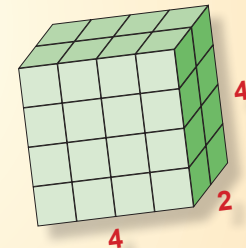
Name _____

COMMON CORE STATE STANDARDS

Grade 5 Math

"I Can" Goals Checklist

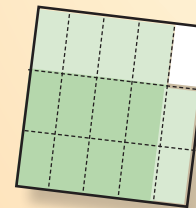
one half divided by 5



$$\frac{1}{6} + \frac{1}{4}$$

$$10^5$$

$$5 \div \frac{1}{3}$$



$$0.5 + 0.005$$

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 Write and interpret numerical expressions.

- 1. I can evaluate numerical expressions with parentheses. _____
- 2. I can write and interpret numerical expressions. _____

2 Analyze patterns and relationships.

- 1. I can write and compare two patterns given two rules. _____
- 2. I can identify features of related patterns in tables or graphs. _____



NUMBER AND OPERATIONS IN BASE TEN

1 Understand the place value system.

- 1. I can relate place value to multiplying by 10 or 1/10. _____
- 2. I can multiply and divide whole numbers by powers of 10. _____
- 3. I can multiply and divide decimals by powers of 10. _____
- 4. I can write powers of 10 using exponents. _____
- 5. I can read and write decimals to thousandths. _____
- 6. I can convert between standard and expanded forms of decimals. _____
- 7. I can compare decimals to thousandths. _____
- 8. I can round decimals to any place. _____

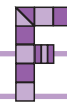
Name _____

2 Perform operations with multi-digit whole numbers.

- 1. I can multiply whole numbers up to 4-digit by 1-digit using the standard algorithm. _____
- 2. I can multiply whole numbers up to 2-digit by 2-digit using the standard algorithm. _____
- 3. I can relate division to multiplication by multiples of 10. _____
- 4. I can divide 3-digit dividends by multiples of 10 using place value and/or models. _____
- 5. I can relate division to multiplication by 2-digit factors. _____
- 6. I can divide 3- and 4-digit dividends by 2-digit divisors using place value and/or models. _____

3 Perform operations with decimals to hundredths.

- 1. I can relate addition and subtraction of decimals. _____
- 2. I can add and subtract decimals to hundredths using place value and/or models. _____
- 3. I can relate multiplication and division of decimals. _____
- 4. I can multiply and divide decimals to hundredths using place value and/or models. _____



NUMBER AND OPERATIONS — FRACTIONS

1 Use equivalent fractions as a strategy to add and subtract fractions.

- 1. I can write equivalent fractions. _____
- 2. I can add and subtract fractions with unlike denominators. _____
- 3. I can add and subtract mixed numbers with unlike denominators. _____
- 4. I can add and subtract fractions to solve word problems. _____
- 5. I can add and subtract mixed numbers to solve word problems. _____

6. I can assess reasonableness of answers by using benchmarks and number sense. _____

2 Apply and extend previous understandings of multiplication and division to multiply and divide fractions.

1. I can interpret fractions as division to solve word problems. _____

2. I can multiply whole numbers by fractions. _____

3. I can represent multiplication of fractions using area models. _____

4. I can multiply fractions by fractions. _____

5. I can multiply fractions and mixed numbers to solve word problems. _____

6. I can divide unit fractions by whole numbers using models. _____

7. I can divide whole numbers by unit fractions using models. _____

8. I can relate division to multiplication of fractions. _____

9. I can divide with unit fractions and whole numbers to solve problems. _____



GEOMETRY

1 Graph points on the coordinate plane to solve real-world and mathematical problems.

1. I can graph and identify points with positive coordinates on a coordinate system. _____

2. I can use coordinates (positive only) to represent and solve problems. _____

3. I can use coordinates to analyze geometric shapes. _____

2 Classify two-dimensional figures in a hierarchy based on properties.

1. I can classify and identify quadrilaterals. _____

2. I can recognize categories and create hierarchies of shapes. _____



MEASUREMENT AND DATA

1 Convert like measurement units within a given measurement system.

1. I can convert metric measurements. _____

2. I can convert conventional measurements. _____

2 Represent and interpret data.

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

2. I can solve problems about line plots. _____

3 Understand concepts of volume and relate volume to multiplication and to addition.

1. I can identify a cube as a unit of volume. _____

2. I can measure volume by counting unit cubes. _____

3. I can add and/or multiply to find volumes of rectangular prisms. _____

4. I can solve problems involving volume of rectangular prisms (with whole numbers as lengths). _____

5. I can solve problems involving volumes of connected prisms. _____