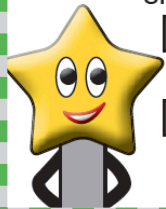


Math Practices Checklist

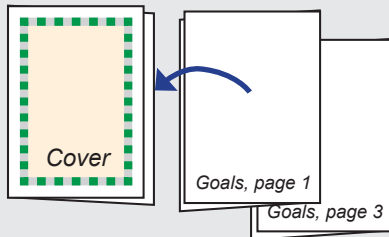
I am a star because...

- 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 07/14/2022)

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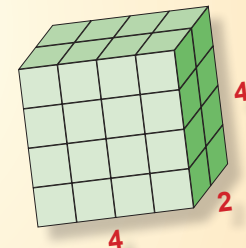
Name _____

COMMON CORE STATE STANDARDS

Grade 5 Math

"I Can" Goals Checklist

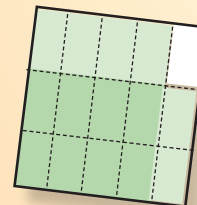
one half divided by 5



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

$$10^5$$

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



$$0.5 + 0.005$$

Courtesy of 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 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. _____

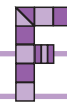
Name _____

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. _____