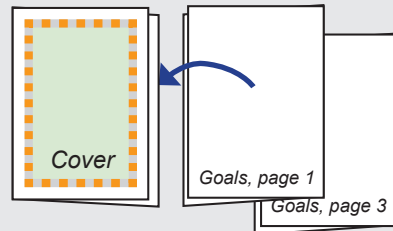


Common Core Standards for Mathematical Practice

- MP1:** Make sense of problems and persevere in solving them.
- MP2:** Reason abstractly and quantitatively.
- MP3:** Construct viable arguments and critique the reasoning of others.
- MP4:** Model with mathematics.
- MP5:** Use appropriate tools strategically.
- MP6:** Attend to precision.
- MP7:** Look for and make use of structure.
- MP8:** Look for and express regularity in repeated reasoning.

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 7 Math "I Can" Goals Leaflet (Published 08/08/2014 & Updated 07/22/2020)
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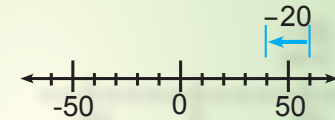
Name _____

COMMON CORE STATE STANDARDS

Grade 7 Math

Goals Checklist

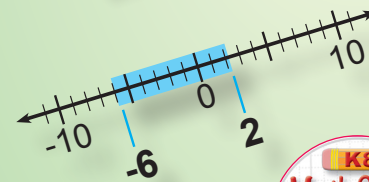
*\$400
plus 20% tax*



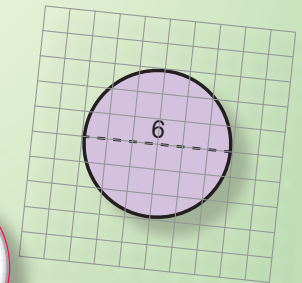
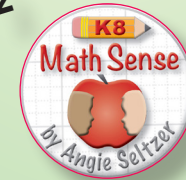
*10% less
than n*

$\pi(3^2)$

*60 grams
2 hours*



$-3n + n$



Courtesy of K8 Math Sense for 2020-2021

Name _____

Class _____ Date _____



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



EXPRESSIONS AND EQUATIONS

1 Use properties of operations to generate equivalent expressions.

- 1. I can add and subtract linear expressions with rational coefficients. _____
- 2. I can expand or factor linear expressions. _____
- 3. I can interpret related expressions in real situations. _____

2 Solve real-life and mathematical problems using numerical and algebraic expressions and equations.

- 1. I can use operations with whole numbers to solve multi-step problems. _____
- 2. I can use fractions to solve multi-step problems. _____
- 3. I can use decimals to solve multi-step problems. _____
- 4. I can assess reasonableness of answers by using estimation. _____
- 5. I can solve linear equations of the form $px + q = r$ and $p(x + q) = r$. _____
- 6. I can write linear equations to solve word problems. _____
- 7. I can relate algebraic solutions to arithmetic solutions. _____
- 8. I can write and solve linear inequalities for situations. _____
- 9. I can graph and interpret solutions to inequalities. _____



RATIOS AND PROPORTIONAL RELATIONSHIPS

1 Analyze proportional relationships and use them to solve real-world and mathematical problems.

- 1. I can calculate unit rates associated with ratios of fractions. _____

Name _____

- 2. I can decide if two ratios form a proportion. _____
- 3. I can find the missing value in a proportion. _____
- 4. I can identify unit rates from tables, diagrams, or graphs. _____
- 5. I can identify unit rates from equations or verbal descriptions. _____
- 6. I can write equations for proportional relationships. _____
- 7. I can interpret points on graphs of proportions. _____

2 Solve multi-step percent problems.

- 1. I can use percent to solve simple interest and tax problems. _____
- 2. I can use percent to solve markup and markdown problems. _____
- 3. I can use percent to solve problems about tips, commissions, and fees. _____
- 4. I can solve problems about percent of increase or decrease. _____
- 5. I can calculate percent error. _____



THE NUMBER SYSTEM

1 Apply and extend previous understandings of operations with fractions to add and subtract rational numbers.

- 1. I can relate sums of rational numbers to movements or situations. _____
- 2. I can relate subtraction of rational numbers to adding the opposite. _____
- 3. I can find distance between rational numbers on a number line. _____
- 4. I can add and subtract integers. _____
- 5. I can add and subtract rational numbers. _____

2 Apply and extend previous understandings of operations with fractions to multiply and divide rational numbers.

1. I can apply multiplication properties to rational numbers. _____
2. I can interpret products of rational numbers in real situations. _____
3. I can interpret quotients of rational numbers in real situations. _____
4. I can multiply and divide integers. _____
5. I can multiply and divide rational numbers. _____
6. I can write rational numbers as decimals. _____
7. I can compute with rational numbers to solve problems. _____
8. I can solve multi-step problems with rational numbers. _____

**GEOMETRY****1** Draw, construct, and describe geometrical figures and describe the relationships between them.

1. I can compute lengths and areas from a scale drawing. _____
2. I can reproduce scale drawing using a different scale. _____
3. I can draw triangles given measures of sides or angles. _____
4. I can draw geometric shapes with given conditions. _____
5. I can describe two-dimensional figures that result from slicing solids. _____

2 Solve real-life and mathematical problems involving angle measure, area, surface area, and volume.

1. I can recognize relationships between parts of a circle. _____
2. I can apply formulas for circumference and area of circles. _____

3. I can solve equations to find supplementary, complementary, vertical, and adjacent angles. _____
4. I can solve problems involving area and surface area. _____
5. I can solve problems involving volume of rectangular prisms. _____

**STATISTICS AND PROBABILITY****1** Use random sampling to draw inferences about a population.

1. I can identify representative sampling methods. _____
2. I can use a sample to draw inferences about a population. _____
3. I can compare predictions from various samples. _____

2 Draw informal comparative inferences about two populations.

1. I can visually compare the centers and spreads of distributions on dot plots. _____
2. I can use measures of center and variability to make inferences. _____

3 Investigate chance processes and develop, use, and evaluate probability models.

1. I can compare probabilities and relate to likelihoods of events. _____
2. I can use relative frequency of outcomes to approximate probability. _____
3. I can calculate simple probabilities based on equally-likely outcomes. _____
4. I can make predictions based on relative frequency, and compare results to predictions. _____
5. I can calculate probabilities of compound events. _____
6. I can create an organized list, table, or tree diagram for a compound event. _____
7. I can design and use simulations of compound events. _____