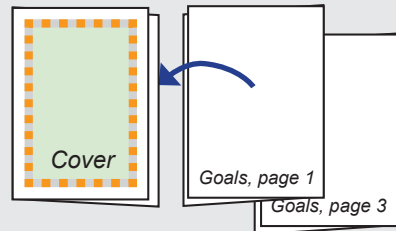


Common Core Standards for Mathematical Practice

- 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 07/28/2018)
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.

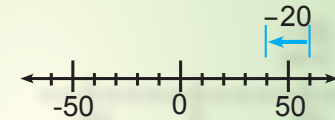
Name _____

COMMON CORE STATE STANDARDS

Grade 7 Math

Goals Checklist

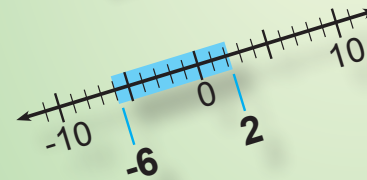
$\$400$
plus 20% tax



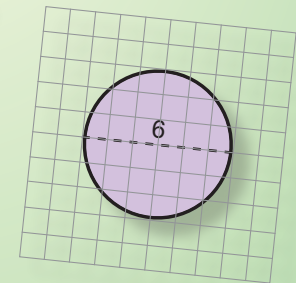
10% less
than n

$\pi(3^2)$

$\frac{60 \text{ grams}}{2 \text{ hours}}$



$-3n + n$



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.



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. _____