Sample Lesson #1

1. Solve for x. Graph the solution on a number line. $\frac{13+15+18+x}{4} < 21$

2. Remember, the interior angles of a triangle always add up to 180°. Find the values of a, b, and c.

3. Simplify. $(2 + 7) \div (7 - 2 \times 2)$

4. Steve and his friends measured a snow pile; it was 7 feet tall. The next day, the snow pile was only 6.5 feet tall. What was the percent of decrease in the snow pile? Round your answer to the nearest tenth.

5. A bag contains three types of candy (gumdrops, jelly beans, and jawbreakers). If chosen at random, the probability of getting a gumdrop is $\frac{1}{6}$, and the probability of getting a jellybean is $\frac{1}{3}$. What is the probability of getting a jawbreaker?

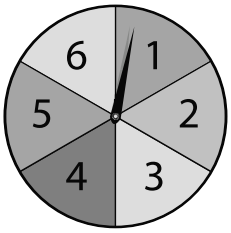
6. Simplify. $(16.5 - 11.2) - (0.2 + 1.1)$

7. Use long division to write the fraction $-\frac{3}{5}$ as a decimal.

8. Find the surface area of the prism.

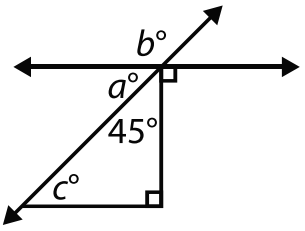
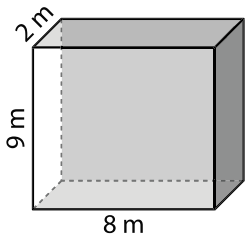
9. Uncle Rod used $\frac{1}{3}$ of a cup of brown sugar to make $\frac{1}{8}$ of a container of barbeque sauce. What is the unit rate of brown sugar per container of sauce?

10. If the number cube is tossed and the spinner is spun at the same time, what is the probability that the cube will land on 3 and the spinner on 1?



11. Find the radius of a circle that has an area of 803.84 cm^2.

12. On Monday, the price of gas was $3.50; on Tuesday the price dropped by $0.50; and on Wednesday, the price increased by $0.65. Write and solve an addition equation to show the final price of gas.

1. 7.EE.4	**2.** 7.G.5 
3. 7.NS.3	**4.** 7.RP.3
5. 7.SP.5	**6.** 7.EE.3
7. 7.NS.2	**8.** 7.G.6 
9. 7.RP.1	**10.** 7.SP.8
11. 7.G.4	**12.** 7.NS.1