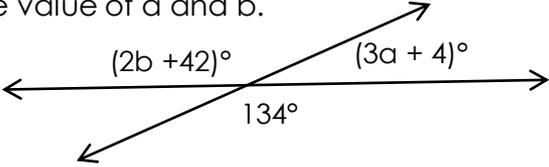


WEEK 1



Problem	Work & Answer
<p>Give the sum or difference:</p> <p>a.) $8 - 15$ b.) $-8 - 15$</p> <p>c.) $-8 + 15$ d.) $-8 + (-15)$</p>	
<p>Find the value of a and b.</p> 	
<p>Simplify each expression by combining like terms.</p> <p>a.) $11x - 7 - 3x + 4$</p> <p>b.) $21a + (-18b) - 6a + 11b$</p> <p>c.) $-7w + 2w - 12w - w$</p>	
<p>Find the width of a rectangular prism if the volume is 546cm^3, the height is 7cm and the length is 13cm.</p>	
<p>It takes Billy fifteen minutes to complete $\frac{1}{8}$ of a recipe. At this rate how long will it take for him to complete the recipe?</p>	



WEEK 2



Problem

Work & Answer

Solve for each variable.

a.) $\frac{w}{-12} = 3$ b.) $\frac{3}{4}x = -24$ c.) $36 = y + 14$

Simplify each expression:

a.) $-72 \div 8 + (-6) - 2$

b.) $-4 + (-32) \div (-4 \cdot 4)$

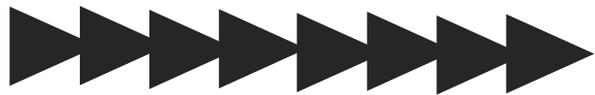
A convenience store company would like to know what flavor slushy children ages 8 through 11 prefer. The company decides to ask students in grades 3rd through 5th at Lincoln Elementary school. Identify which group is the population and which is the sample.

_____ Students in grades 3-5 at Lincoln school
 _____ Children ages 8 through 11

Nancy sold a house for \$225,900 and earned 4% commission. How much did Nancy earn for the sale of this house?

Complete the table that shows a proportional relationship between the amount of small boxes of popcorn and candy sold at a movie theater.

Candy (small boxes)	Popcorn (small boxes)
	24
12	96
48	
	528



WEEK 3



Problem	Work & Answer
Trail mix made for three people uses 3 cups of almonds, 1 cup of raisins and $\frac{1}{3}$ cup of chocolate chips. If the same ratio of ingredients is used for twelve people, how much of each ingredient is needed?	
Expand each expression using the distributive property. a.) $2(5x - 3)$ b.) $-4(2a + 6b - 7)$ c.) $8(-3m + 2n) + 12$	
Find each product. a.) -7×6 b.) -6×-7 c.) -7×-6 d.) -6×7	
When Sarah invests \$4000 in a money market account she receives 1.4% simple interest annually. If she doesn't add or subtract any money how much interest will she earn after 4 years?	
A bag of jelly beans contains 6 red, 4 orange, 5 pink, 3 green and 2 white jelly beans. What is the probability of choosing the following at random? a.) 1 Pink jelly bean b.) 1 Red jelly bean c.) Either 1 white or green jelly bean	



WEEK 4



Problem

Work & Answer

Anna earned \$9 an hour babysitting. She wants to buy a 16 GB iPod that is \$120. Anna has saved \$45 so far. How many more hours of babysitting does she need to do to earn the rest to purchase the iPod?

Solve each inequality.

a.) $x + 4 < 16$

b.) $-2 > x + 3$

c.) $\frac{1}{2}(x + 4) \leq 14$

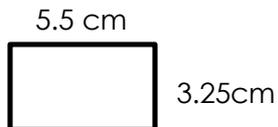
Simplify each complex fraction.

a.) $\frac{2\frac{1}{4}}{1\frac{1}{8}}$

b.) $\frac{7\frac{1}{3}}{\frac{3}{4}}$

An item is marked down by 25%. What percentage of the original cost will you pay?

Find a new perimeter and area if the shape is enlarged by a scale factor of two.

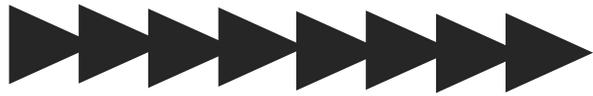




WEEK 5



Problem	Work & Answer
<p>Write the property that best matches the following:</p> <p>a.) $13 + -13 = 0$</p> <p>b.) $(-12) + 16 = 16 + (-12)$</p>	
<p>Find the diameter of a circle if the area is 153.86m^2. Use 3.14 for pi.</p>	
<p>Write an expression to show the total cost of an item x with a 35% discount.</p>	
<p>Joe and two friends are going to a concert. The total cost is \$186. If there is a \$24 service fee, write and solve an equation to find out how much one ticket is.</p>	
<p>A rectangular pyramid is sliced by a plane parallel to its base. What shape is shown from the cross section?</p>	



WEEK 6



Problem

Work & Answer

Four friends equally share the cost of their dinner that was \$64 plus a 20% tip. If each person contributes \$19, will that be enough to cover the bill with tip? Explain.

Solve the following:

a.) $\frac{-24}{3}$ b.) $\frac{-36}{-4}$

People in two sample groups were asked to identify their favorite kind of pizza. Study the results and circle a generalization.

Sample Group	Cheese	Sausage	Pepperoni	Veggie	Total
A	30	45	7	18	100
B	48	24	15	13	100

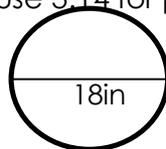
- a.) Cheese is the most popular in each group.
- b.) Overall cheese and sausage are most preferred.
- c.) Sausage is always the favorite.

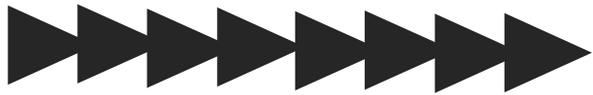
Factor each by using the GCF.

a.) $36x + 81$ b.) $24a + 36$

Find the following based on the circle. Use 3.14 for pi.

- a.) The area of the circle
- b.) The circumference of the circle





WEEK 7



Problem

Work & Answer

Circle which has the same value as the following:

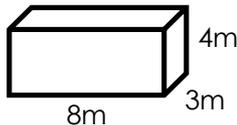
$$-6 + (-9 + 14)$$

a.) $(-6 + 9) - 14$

b.) $(6 - 9) + 14$

c.) $(-6 + -9) + 14$

Find the surface area of the given prism:



The asking price on a house was \$350,000. Because it was on the market for six months it was finally sold for \$297,500. What percentage of the original price was it sold for?

Solve each inequality.

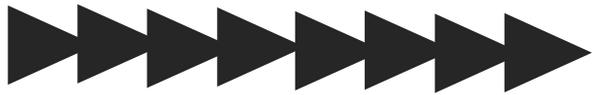
a.) $3x < -24$

b.) $14 \leq -7x$

c.) $4x - 8 > -40$

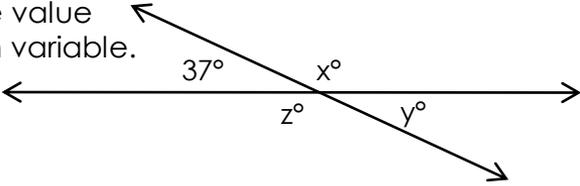
Divide. Write the answer in simplest form.

$$-2\frac{1}{3} \div 1\frac{1}{12}$$



WEEK 8



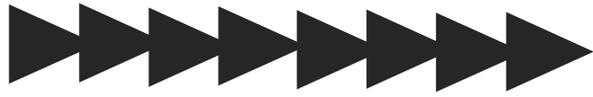
Problem	Work & Answer
<p>A playing card is chosen at random from a standard deck of cards. What is the probability of choosing the following:</p> <p>a.) P(5 of Diamonds) b.) P(One Jack)</p>	<p>a.) P(5 of Diamonds) = b.) P(One Jack) =</p>
<p>Simplify each expression.</p> <p>a.) $-13 + 25 - 36 + -2$</p> <p>b.) $-54 \div 9 \times -7 \div 6$</p>	
<p>Find the value of each variable.</p> 	
<p>Sam sells cars and earns 3.5% commission in sales. In one day he sold 3 of the same cars each for \$21,500. How much commission did Sam earn for the day?</p>	
<p>It takes Amy 8 minutes to mow $\frac{1}{6}$ of her backyard. At that rate how many more minutes will it take her to finish mowing her backyard?</p>	



WEEK 9

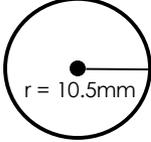


Problem	Work & Answer
<p>Simplify each expression.</p> <p>a.) $-7 + 13 + 5(-6 + 8)$</p> <p>b.) $3x - 4(x + 2y) + 17y$</p>	
<p>A recipe for fluffy slime calls for $3\frac{3}{4}$ cups of shaving cream, $\frac{1}{2}$ cup of glue, $\frac{1}{2}$ teaspoon of baking soda and $1\frac{1}{2}$ tablespoons of saline solution; this is enough for 2 people. How much shaving cream would you need if you were making enough slime for ten people?</p>	
<p>The cost of a sweatshirt was on sale for \$18. Find the percent of decrease if the sweatshirt was originally \$25.</p>	
<p>Solve each inequality and graph the solution on a number line.</p> <p>a.) $-12a + 7 \leq 31$</p> <p>b.) $-9 > 3b + 6$</p>	
<p>A triangular pyramid is sliced by a plane perpendicular to its base. Draw the cross section.</p>	



WEEK 10



Problem	Work & Answer
<p>Find the circumference of the circle below. Use $\frac{22}{7}$ for pi.</p> 	
<p>Anna is wrapping a birthday gift for her brother and has one large piece of wrapping paper left. The size of the paper is 6 feet by 4 feet. Will she have enough paper to cover a box that is 12in x 6in x 4in?</p>	
<p>Simplify the complex fractions.</p> <p>a.) $8\frac{2}{5}$ b.) $3\frac{1}{3}$ $\frac{2}{6}$ $2\frac{4}{9}$</p>	
<p>Solve each equation below.</p> <p>a.) $5x + 8 = 53$ b.) $-6w - 12 = 51$ c.) $\frac{y}{4} + 12 = -8$</p>	
<p>Find the sum of each below. Describe how you know what the sign of your answer will be.</p> <p>a.) $-19 + 8$ b.) $-6 + (-5)$</p>	