
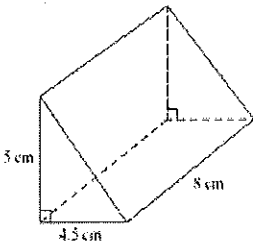


Incoming 8th Grade Weekly Calendar

	WEEK OF June 24- June 28	
	Question	Work and Answer
Monday	Simplify: $1.7 + (-5) + (-3.27) =$	
Tuesday	What's the surface area of this triangular prism skateboard ramp? 	
Wednesday	What is the sum of -14 and -8?	
Thursday	Solve the following inequality and then circle the numbers that make the inequality true. $-4d > 28$ 4 -7 -10 28	
Friday	Brenda and Michael simplify the expression, as shown below. Brenda: $-5x + (2 + x) = -5 + x + 2 = -4x + 2$ Michael: $-5x + (2 + x) = (-5x + 2) + x = -3 + x$ Who simplified the expression correctly?	



WEEK OF
July 1- July 5

Question

Work and Answer

Monday

Ronda recorded the colors of the last 250 cars driving by her house in the table below. Using the data, what is the probability that the next car to drive by will be red or blue?

Color	Number of Cars
blue	70
green	50
red	50
white	60
yellow	20

Tuesday

The circumference of the circular table on Beverly's porch is 72π inches. What is the radius of the table?

Wednesday

$$A = 3x - 5$$
$$B = -4x + 2$$

What's $A - B$?

What's $B - A$?


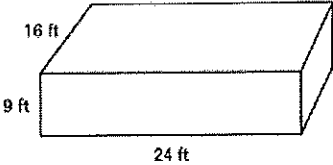
Thursday


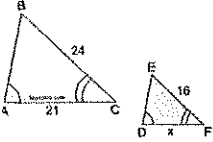
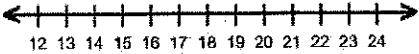
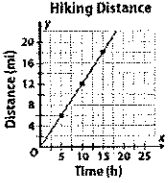
Which one of these numbers is not like the others?

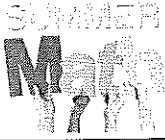
25, 16, 49, 63, 81

Friday

Nicholas answered 42 out of 50 math problems correctly. What percentage of the problems did he answer correctly?

	<p style="text-align: center;">WEEK OF July 8- July 12</p>	
	<p style="text-align: center;">Question</p>	<p style="text-align: center;">Work and Answer</p>
<p style="text-align: center;">Monday</p>	<p style="text-align: center;">What is the volume of the rectangular prism below?</p> 	
<p style="text-align: center;">Tuesday</p>	<p style="text-align: center;">Find the value of x in the following proportion.</p> $\frac{x}{34} = \frac{10}{20}$	
<p style="text-align: center;">Wednesday</p>	<p style="text-align: center;">simplify.</p> $4^2 + 5[61 - (5 \times 6)]$	
<p style="text-align: center;">Thursday</p>	<p>A factory worker conducted test on a random sample of 150 products. Of the products tested, 2 were found to have defects. Based on this information, how many products in a batch of 3,000 are likely to be defective?</p>	
<p style="text-align: center;">Friday</p>	<p>Your goal is to earn at least \$234.50 this week. If you earn \$8.00 per hour plus a bonus amount of \$130.50, you need to work at least _____ hours to reach your goal.</p> <p>Write an equation to represent the scenario, solve for the variable.</p>	

	<p>WEEK OF July 15- July 19</p>	
	<p>Question</p>	<p>Work and Answer</p>
<p>Monday</p>	$9x - 2 = 8x + 7$	
<p>Tuesday</p>	<p>Blake wants to make a mixer that originally sold for \$25.99 and is on sale for $\frac{1}{4}$ off. He also has a coupon for 15% off the discounted price. How much is the mixer after both discounts?</p>	
<p>Wednesday</p>	<p>These triangles are similar (same shape, different sizes but their lengths are proportional). What's the missing side (x)?</p> 	
<p>Thursday</p>	<p>Solve and graph the following inequality.</p> $6x - 7 + 5x < 147$	
<p>Friday</p>	 <p>Since it's proportional, it has a constant. What is the constant of proportionality?</p> <p>Write this proportional relationship as an equation in the form of $y = kx$.</p>	



WEEK OF
July 22- July 26

Question

Work and Answer

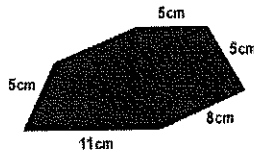
Monday

Eric goes to a toy store to buy a remote control helicopter as a gift. The toy store is offering a discount of 30% off the marked price on all toys. The marked price of the remote control helicopter is \$149.99.

How much will Eric have to pay for one remote control helicopter, including an 8% sales tax?

Tuesday

If I want to cover this trapezoidal prism with wrapping paper, how much paper will I need?



Wednesday

Find the value of x in the following proportion.

$$\frac{x}{34} = \frac{10}{20}$$

Thursday

Find the mean, median, mode and range of the following set of numbers.

-7, 3, 9, -7, 5, 0, 6, 7, 2

Mean ____ Median ____ Mode ____ Range ____

Friday

$$-10n + 3(8 + 8n) = -6(n - 4)$$



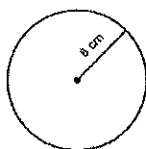
WEEK OF
July 29- August 2

Question

Work and Answer

Monday

What's the area of this circle? Use 3.14 for pi.



Tuesday

List the first 7 perfect squares.

Wednesday

A number is chosen at random from 1 to 50. Find the probability of selecting numbers greater than 23.

Thursday

Jake paid \$40.50 per solar panels for eight panels and an additional installation fee for a total of \$338.50.

Jen paid \$42.99 per panel for eight panels and an additional installation fee for a total of \$354.42.

Find the difference between the installation fees Jake and Jen paid.

Friday

Simplify the expression: $(g^3)^5$



WEEK OF
August 5- August 9

Question

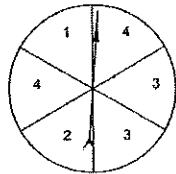
Work and Answer

Monday

$$6(6v + 6) - 5 = 1 + 6v$$

Tuesday

What is the probability of the spinner not landing on 4?

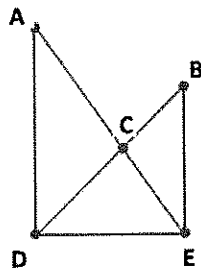


Wednesday

You can buy 3 apples at the Quick Market for \$1.05. You can buy 5 of the same apples at Stop and Save for \$2.40. Which place is the better buy?

Thursday

If angle CED is 35 degrees and angle ADC is 50 degrees, what is the measure of angle DCE?



Friday

Choose the equivalent expression to this one:

$$-3.5x + 0.2 + 0.8x + 3x + 0.4$$

A) $-2(-1.15x - 0.3)$

B) $-2(0.5x + 0.5)$

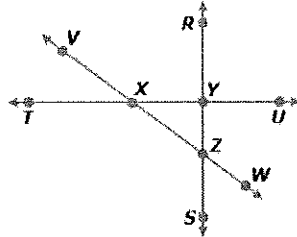


WEEK OF
August 12- August 16

Question

Work and Answer

Monday



If $m\angle TXV = 42^\circ$, what is $m\angle XZY$?

Tuesday

Jane goes to a shoe store. The store offers 25% off any pair of shoes. She decides to buy two pairs of shoes, each with a price of \$34.99. How much will Jane pay for the two pairs of shoes, including a 6.5% sales tax?

Wednesday


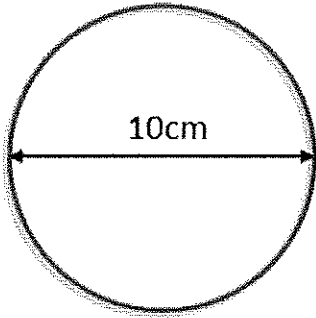
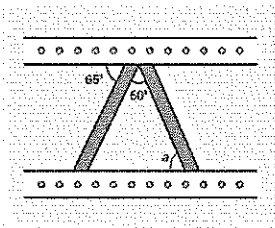
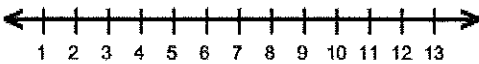
Order the numbers from least to greatest:
 $7.27, \sqrt{60}, \frac{22}{3}$

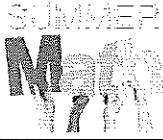
Thursday

$$-12(x - 12) = -9(1 + 7x)$$

Friday

Lisa is putting up a rectangular fence around her house. So far, she has put up 44.5 feet of fence, completing the fence along the north side of the house. If Lisa wants the perimeter of the fence to be 154 feet, how long is the fence along the west side of the house?

	<p style="text-align: center;">WEEK OF August 19- August 23</p>	
	Question	Work and Answer
<p style="text-align: center;">Monday</p>	<p>On Wednesday, 30 students went to after-school tutoring. On Thursday, 6 students went. What is the percent decrease in the numbers of students who went to tutoring?</p>	
<p style="text-align: center;">Tuesday</p>	$-4k + 2(5k - 6) = -3k - 39$	
<p style="text-align: center;">Wednesday</p>	<p>What is the circumference of this circle? (Use 3.14 for pi)</p> 	
<p style="text-align: center;">Thursday</p>	 <p>What is the measure of angle a?</p>	
<p style="text-align: center;">Friday</p>	<p>Solve and graph the following inequality.</p> $2(3 - 5z) - 4z > 4z - 102$	



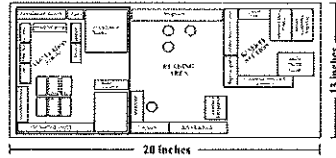
WEEK OF
August 26- August 30

Question

Work and Answer

Monday

Julia made a scale drawing of her school library. The drawing is 20 inches long and 13 inches wide.



If the **actual** library is 39 feet wide, how long is it?

Tuesday

Convert 44% to a fraction in simplest form.

Wednesday

Brenda and Michael simplify the expression, as shown below.

Brenda:

$$-5x + (2 + x) = -5 + x + 2 = -4x + 2$$

Michael:

$$-5x + (2 + x) = (-5x + 2) + x = -3 + x$$

Who simplified the expression correctly?

Thursday

Ronda recorded the colors of the last 250 cars driving by her house in the table below. Using the data, what is the probability that the next car to drive by will be red or blue?

Color	Number of Cars
blue	70
green	30
red	50
white	80
yellow	20

Friday

A fast-food restaurant offers delivery service anywhere within a 6- mile radius. What area does the restaurant delivery service cover?
Round your answer to the nearest square mile.