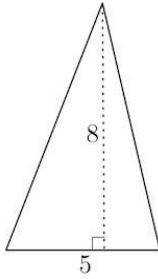


6th Grade Summer Math Packet Week 1

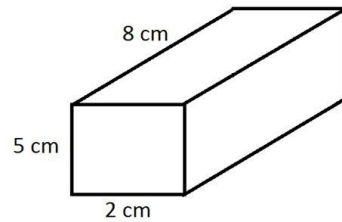
Monday:



- 1) Find the area of this triangle:
- 2) $x + 14 = 22$; solve for x
- 3) $2\frac{1}{3} - 1\frac{4}{5}$
- 4) Find the unit rate: 72 pages in 4 days.
- 5) What is 13% of 19?

Tuesday:

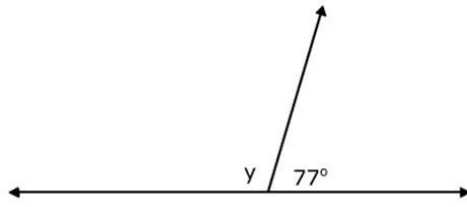
- 1) $3\frac{1}{2} \div \frac{3}{4}$
- 2) $5.62 \div .02$
- 3) Order -3, 0, 1, -2, 4, -5 in order from least to greatest



- 4) Find the volume
- 5) Simplify $\frac{49}{84}$

Wednesday:

- 1) Find the LCM and GCF of 12 and 20
- 2) What is $|-5|$? Explain what it means also.



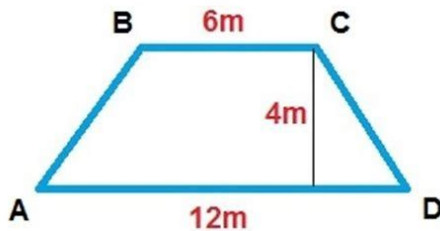
- 3) Find y
- 4) $13.04 - 5.38$
- 5) 4^5

Thursday:

- 1) $-4 \times -9 =$ $-5 \times 3 =$
- 2) Write the prime factorization of 40
- 3) $3\frac{2}{3} + 2\frac{1}{2}$
- 4) 4.9×3.5
- 5) Write $\frac{4}{5}$ as a percent and a decimal

Friday:

- 1) $5 - 8$
- 2) $-3 - (-5)$



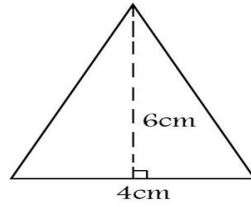
- 3) Find the area
- 4)

x	3	6		15
y	4		12	

- 5) Plot the point $(-3, -2)$ and say what quadrant it is in.

6th Grade Summer Math Packet Week 2

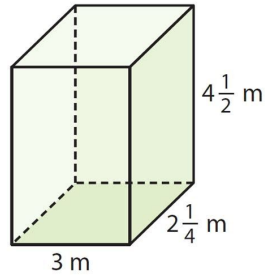
Monday:



- 1) Find the area of this triangle:
- 2) $3x + 2 = 17$; solve for x
- 3) $2\frac{1}{3} - 1\frac{4}{5}$
- 4) Find the unit rate: 30 pages in 2 days.
- 5) What is 35% of 77?

Tuesday:

- 1) $2\frac{2}{5} \div \frac{4}{3}$
- 2) $.427 \div .07$
- 3) Order 0, -4, 2, $|-3|$, -1, 5, 1 in order from least to greatest

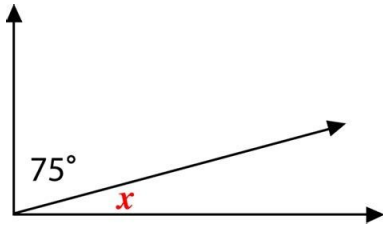


- 4) Find the volume
- 5) Simplify $\frac{30}{75}$

Wednesday:

1) Find the LCM and GCF of 16 and 40

2) A turtle is 12 feet below the surface of the ocean. Represent that as an integer.



3) Find x

4) $12.11 - 2.2$

5) $n \times n \times n$

Thursday:

1) $-45 \div -9 =$ $-20/4 =$

2) Write the prime factorization of 90

3) $\frac{2}{5} + 2\frac{1}{2}$

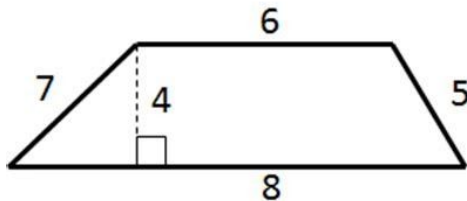
4) $2.8 \times .21$

5) Write $\frac{5}{8}$ as a percent and a decimal

Friday:

1) $3 + (-4)$

2) $-2 - (-9)$



3) Find the area

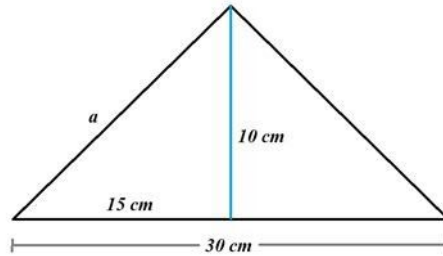
4)

x	2	6	10	
y		9		21

5) Plot the point $(4, -1)$ and say what quadrant it is in.

6th Grade Summer Math Packet Week 3

Monday:



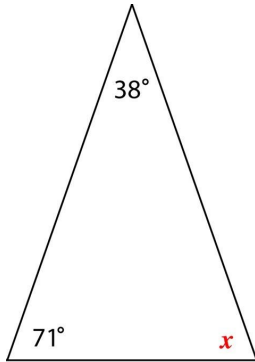
- 1) Find the area of this triangle:
- 2) $4(y - 3) = 16$; solve for y
- 3) $1\frac{3}{4} - \frac{1}{5}$
- 4) In a class there are 15 boys and 16 girls. What is the ratio of girls to total students?
- 5) What is 32% of 90?

Tuesday:

- 1) $2.5 \div \frac{3}{4}$
- 2) 3^4
- 3) Order -3, 0, 1, -2, 4, -5 in order from least to greatest
- 4) Find the mean, median, mode and range of 12, 15, 9, 10, 7, 14, 12, 17
- 5) Graph the equation $y = 2x + 1$ hint: use an x,y chart

Wednesday:

- 1) Find the LCM and GCF of 10 and 35
- 2) Write a statistical question and a non-statistical question.



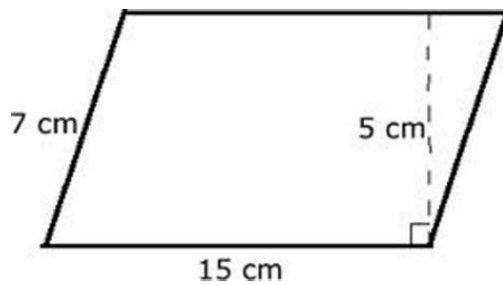
- 3) Find x
- 4) $4.1 - .29$
- 5) A tree grows five feet every day. Total feet is f and days are d . Write an equation to model this. What is the independent variable? What is the dependent variable? Graph this.

Thursday:

- 1) $(-2)^5 =$
- 2) $n + 3n =$
- 3) $4\frac{5}{6} + 1\frac{2}{3}$
- 4) $14 \times .77$
- 5) Write $\frac{1}{3}$ as a percent and a decimal

Friday:

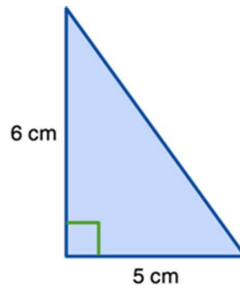
- 1) $-1 + 8$
- 2) $4 - 9$



- 3) Find the area
- 4) How far is (2,4) away from (2, -3)
- 5) Draw a box-and-whisker plot and find the IQR of 21, 19, 28, 22, 24, 14, 20

6th Grade Summer Math Packet Week 4

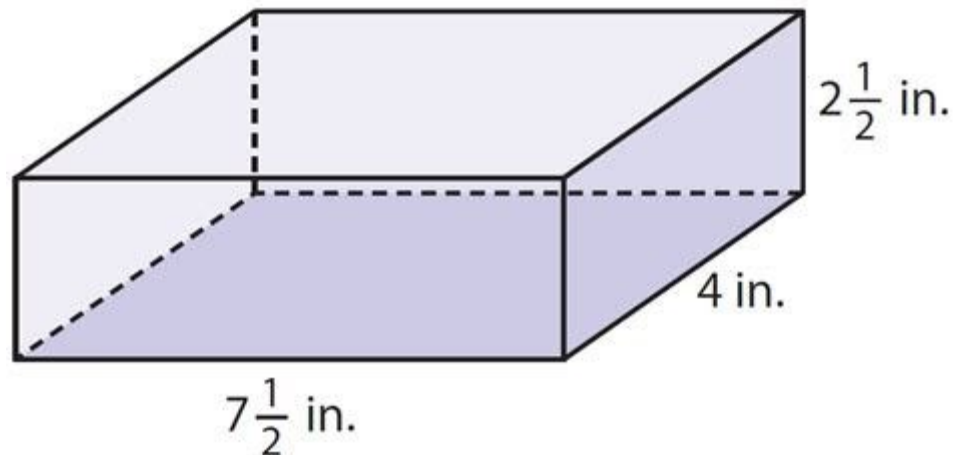
Monday:



- 1) Find the area of this triangle:
- 2) Write $p + 5 = 12$ as a sentence.
- 3) $2 - 1\frac{1}{4}$
- 4) A student read 7 books in 3 months. How many books could they read in 9 months?
- 5) Write 7% as a decimal.

Tuesday:

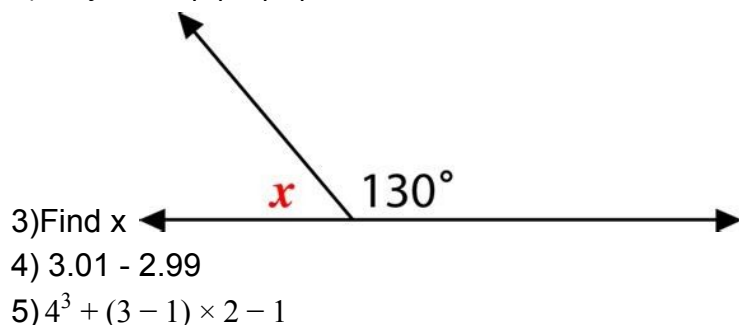
- 1) Find LCM and GCF of 9 and 15.
- 2) $5.15 \div .5$
- 3) Order 2, -7, 5, -3, 1, 0, -2, 7 in order from least to greatest



- 4) Find the volume
- 5) Simplify $\frac{12}{48}$

Wednesday:

- 1) Find .008 as a percent.
- 2) Why does $|2| = |-2|$?

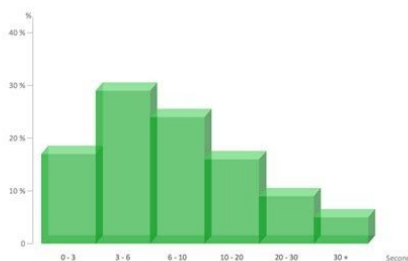


Thursday:

- 1) How do you multiply and divide with negative numbers?
- 2) Make a dot plot of 1,3,4,1,4,3,5,5,6,7,1,7. Identify any peaks and gaps.
- 3) $1\frac{4}{5} + 3$
- 4) $8.4 \times .07$
- 5) Write $\frac{5}{6}$ as a percent and a decimal

Friday:

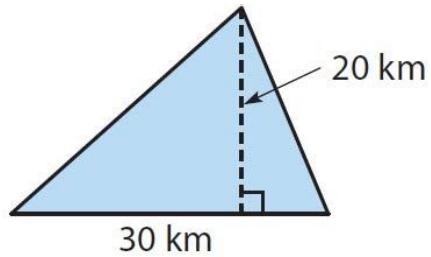
- 1) $1 - 9$
- 2) How do you add and subtract with negative numbers?



- 3) What shape does this histogram have?
- 4) Write .12 as a percent and as a fraction.
- 5) Start at the point (4,3). Move left 5 spaces and down 3 spaces. Where do you end up?

6th Grade Summer Math Packet Week 5

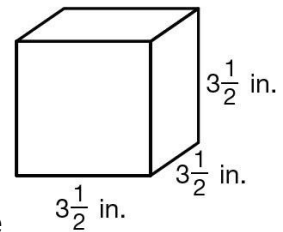
Monday:



- 1) Find the area of this triangle:
- 2) Ten minus p equals 3. Write this as an equation and solve.
- 3) $3 - 2\frac{3}{4}$
- 4) Find the mean, median, mode and range of 19, 22, 23, 31, 14, 22, 35, 23
- 5) Write 11% as a decimal and a fraction.

Tuesday:

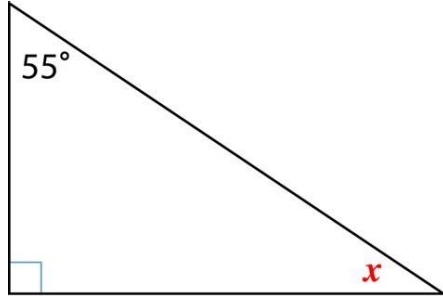
- 1) Find LCM and GCF of 14 and 21.
- 2) $4 \div 9$
- 3) Order -5, 0, 3, -2, 1, -3, 4 in order from least to greatest



- 4) How many cubes with edge length $\frac{1}{2}$ would fit into this big cube
- 5) Simplify $\frac{9}{57}$

Wednesday:

- 1) Write 1.2 as a percent and a fraction.
- 2) If a shark was three feet below the surface of the water and then jumped to be 7 feet above the water, how many feet did it rise in total?



- 3) Find x
- 4) $14.2 + 19.71$
- 5) $3^2 \times (4 - 2) \div 2 - 1$

Thursday:

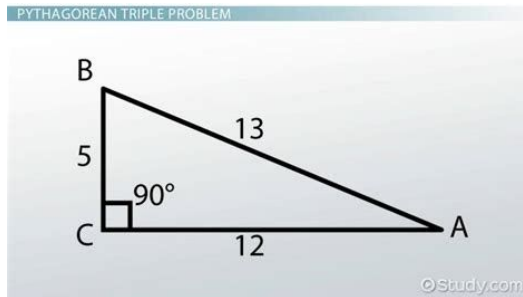
- 1) $(-3)^4$
- 2) Make a dot plot of 11, 14, 12, 17, 16, 13, 12, 13, 11, 12, 14. Identify any peaks and gaps.
- 3) $1\frac{3}{4} + 2.4$
- 4) 9.8×7.7
- 5) Write $\frac{3}{8}$ as a percent and a decimal

Friday:

- 1) $-4 - (-1)$
- 2) $-2 + 5$
- 3) A student can write 35 words per minute. Write this as an equation where w is words and m is minutes.
- 4) Write 3.5 as a percent and as a fraction.
- 5) Start at the point $(0, 1)$. Move left 4 spaces and down 2 spaces. Where do you end up?

6th Grade Summer Math Packet Week 6

Monday:



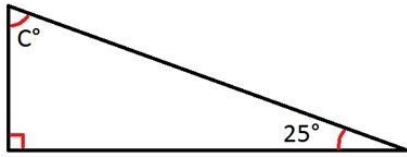
- 1) Find the area of this triangle:
- 2) $4h=32$ find h
- 3) $3 \times 2\frac{1}{5}$
- 4) Find the mean, median, mode and range of 2,0,4,2,7,1,3,9
- 5) Write 120% as a fraction and a decimal

Tuesday:

- 1) What is 30% of 120?
- 2) $5 \div 9$
- 3) Order -4, 0, 1, 5, -3, 2, -2 in order from least to greatest
- 4) Find the IQR and make a box-and-whisker plot for 14,11,21,28,20,19,15,22
- 5) Graph the equation $y = 3x + 2$

Wednesday:

- 1) Write 3.5 as a percent and a decimal
- 2) A woman lost 12 pounds. Write this as an integer.



3) Find c

4) $20.01 - 19.87$

5) One store sells 2 gallons of milk for \$4.20. Another store sells 3 gallons of milk for \$5.50. Which store has a better deal?

Thursday:

1) $(-2)^5$

2) Make a dot plot of 28, 33, 30, 35, 29, 28, 33, 31, 30, 33, 29, 32. Identify any peaks and gaps.

3) $2\frac{2}{5} + 1.2$

4) 4.5×3.9

5) What is the difference between a prime number and a composite number?

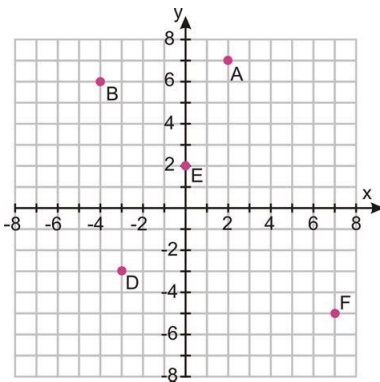
Friday:

1) $-2 - 3$

2) $-1 + 2$

3) In a season, a goalie makes 3 saves every game. Let s be the number of saves and g be the number of games played. Which variable is dependent? Which variable is independent? Write this as an equation.

4) Write $\frac{7}{10}$ as a decimal and a percent.



5)

name where each letter is