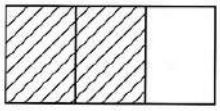
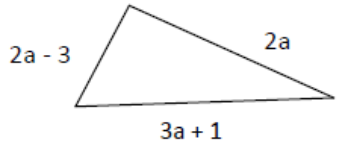
Name: Weekly Homework #4 Due: October 19, 2016

Monday	Tuesday
17. Solve. -3x – 8 = 16	25. Write 2 terms that have a GCF of 7a.
18. A bus driver drives 547.25 miles on day 1 of a trip. On day 2, he drives 327.875. How many more miles did he drive the first day than the second day?	26. Simplify $-\frac{4}{7}+\left(-\frac{4}{3}\right)=$
19. Simplify $-\frac{5}{4}\div 2\frac{3}{5}$	27. If $\frac{3}{5}$ of the shaded part below is erased, how much of the original figure will be shaded? 
20. Choose >, <, or =. Show work to prove it. $-\frac{31}{8}$ ____ -3.92	28. Solve. -3m – 6 = 18
21.Factor: 30ab – 10b	29. Solve the equation: $2(x-4)=-22$
22. Solve the equation: $98=3y-4$	30. Convert the decimal 0.24 to a fraction and simplify.
23. Write a simplified expression to represent the perimeter of this figure. 	31. Simplify. -7(3e – 2f + 4) + 6e -2
24. In the problem above, find the value of “a” if you knew the perimeter was 47 meters long.	32. The side of a square is (4x – 2y). What is the perimeter of the square?

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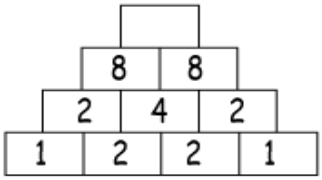
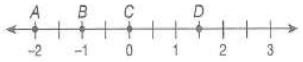
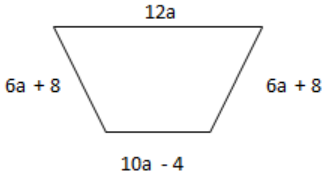
Wednesday	Thursday
1.What number goes on top?  	9.How much change will you get back if you bought three $0.99 chocolate bars and paid with a $5 bill?
2 Jim had $8.10 when he went to the store. When he got back, he had $3.49. How much did he spend?	10. What is the distance from point A to point D on the number line? A is at -2 and D is at 1.5 
3. Simplify. a. -4 + 8 – (-3) = b. 5 + (-6) – 12 =	11.Expand the following using Distributive Property. $\frac{2}{3}(12x - 9)$
4. Write the fraction $\frac{17}{7}$ as a repeating decimal.	12 Write the following rational numbers in increasing order. $\frac{2}{5}, -7, \frac{3}{9}, \frac{11}{12}$
5. Ed earns about $8 per hour helping out neighbors. **Write an equation** to show how many hours she needs to work to earn $86 and **solve.**	13. Solve the equation: $10 = -4 + x$
6. Which property is demonstrated by the following statement? a. 16 + (22 + a) = (16 + 22) + a b. 16 + a = a + 16	14.Expand the following: $\frac{3}{8}(16x - 24)$
7. Write the simplified expression for perimeter.  	15. Find the sum of (x + 5) and (2x + 3)
8. In the problem above, find the value of "a" if you knew the perimeter was 250 inches long.	16.Simplifying the following expression: -3(4x – 5y + 6) + 8x – 9

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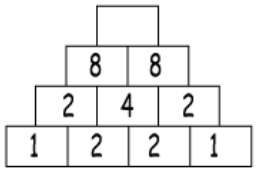
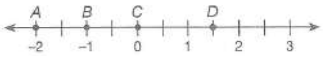
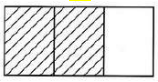
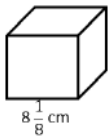
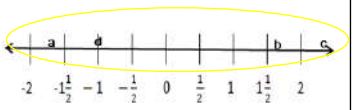
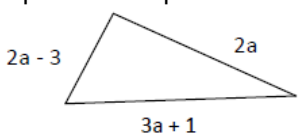
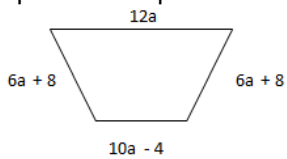
List all the factors of 32. 1, 2, 4, 8, 16, 32	Steve is taller than Jon, but Elijah is taller than Steve. Is Elijah taller than Jon? Yes	What number goes on top? 64 	How much change will you get back if you bought three $0.99 chocolate bars and paid with a $5 bill? $2.03
A bus driver drives 547.25 miles on day 1 of a trip. On day 2, he drives 327.875. How many more miles did he drive the first day than the second day? 219.375 miles	Simplify $-\frac{4}{7}+\left(-\frac{4}{3}\right)=$ $-\frac{40}{21}$	Jim had $8.10 when he went to the store. When he got back, he had $3.49. How much did he spend? $4.61	What is the distance from point A to point D on the number line?  3.5 units
Simplify: $-\frac{5}{4}\div 2\frac{3}{5}$ $-\frac{25}{52}$	Erase $\frac{3}{5}$ of the shaded part below. How much of the original figure will be shaded? $\frac{4}{15}$ 	Find the surface area of the cube. Round to the nearest whole number. 396 cm² 	A rectangle has a length of 5.25 cm and area of 44.625 cm². What does the length of the rectangle have to be? 8.5 cm
> , <, or = $-\frac{31}{8}$ ____ -3.92	Place the following fractions on the number line. $-\frac{5}{3}(a),\frac{18}{11}(b),\frac{10}{4}(c),-\frac{3}{3}(d)$ 	Write the fraction $\frac{17}{7}$ as a repeating decimal. 2.428571	Which number(s) below represents a repeating decimal? $-\frac{2}{5}, -7, \frac{3}{9}, \frac{11}{12}$
Jon's care can travel an average of 35 miles per gallon. Write an equation to represent how many gallons he will need for a trip of 656 miles. 656 = 35x	Solve the equation: $2(x-4)=-22$ x= – 7	Ed earns about $8 per hour helping out neighbors. Write an equation to show how many hours she needs to work and earn $86. 86 = 8x	Solve the equation: $10=-4+x$ x = 14
Find the GCF of 14a and 28ab. 14a	Circle the common factors of 20w and 40wz. 10, 20w, 10xz, 5z, 2w, z, 9w, w	Which property is demonstrated by the following statement? Associative 16 + (22 + a) = (16 + 22) +a	Expand the following: $\frac{3}{8}(16x-24)$ 6x – 9
Write an expression to represent the perimeter of  7a – 2	Simplifying the following expression: –7(3e – 2f + 4) + 6e –2 –15e+14f – 30	Write an expression to represent the perimeter of  34a+12	Find the sum of (x + 5) and (2x + 3) 3x+8

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In the problem above, find the value of "a" if you knew the perimeter was 47 meters long. a = 7	The side of a square is (4x – 2y). What is the perimeter of the square? 16x – 8y	In the problem above, find the value of "a" if you knew the perimeter was 250 inches long. a = 7	Simplifying the following expression: $-3(4x - 5y + 6) + 8x - 9$ –4x+15y–27