

Name: _____

Rising 6th Grade Summer Bridge Work

Directions: Complete the problem sets for each week. Do all problems on a separate piece of paper and please have a header labeling the week #.

Due: Hand in to your teacher in the first day of school.

Week 1:

1. $10 + (-56) + 11$

2. $-30 - 13$

3. $12 - 9 - 13 + 1$

4. $8 - 42 \div 7 + 7 \times 3$

5. $4 \times 10 \div 4$

6. $103.9 - 23.5$

7. $.9765 + 1.37$

8. $12.5 + 36.09 + 1.2 - 5$

9. $25 - 19.04$

10. Mark has \$146 in his savings account. He withdraws \$41, deposits \$98, and then withdraws \$64. Find the balance of his account.

11. You buy movie tickets for yourself and three friends. Each ticket costs \$7. You pay for them with two \$20 bills. How much change do you get back?

12. Which operation would you perform first in this example? $3.9 + 4.1 \times 16 - 6 + 4.8$. Then, simplify the expression.



Week 2:

1. Finish the equation by using the commutative property of addition: $13.5 + 8 =$
2. Finish the equation by using the associative property of addition: $(9 + 3) + 6 =$
3. Finish the equation by using the Identify Property of Addition $8 + 0 =$
4. What property is illustrated by this example: $3 + (6 + 4) = (3 + 6) + 4$?
5. Finish the equation by using the associative property of multiplication: $5 \times (11 \times 2) =$
6. What property is illustrated by this example: $x \times 1 = x$?

Use the Distributive Property to simplify #7-12. Example: $7(3 + 1) = 7(3) + 7(1)$
 $= 21 + 7$
 $= 28$

7. $8(2 + 6)$

8. $3(4 - 2)$

9. $5(11 + 12)$

10. $11(11 - 3)$

11. $16(1 + 3)$

12. $17(4 - 1)$



13. Katie wants to buy 30 snack cakes for her class. Each snack cake costs \$1.72. Katie has \$45 to spend. Does she have enough money to buy the snack cakes? Why or why not?
14. Write an example of the commutative property of multiplication.

Week 3:

Simplify each expression.

1. $\frac{6}{12} - \frac{4}{12}$

2. $\frac{8}{9} - \frac{1}{5}$

2. $9\frac{1}{8} - 4\frac{1}{2}$

4. $12\frac{1}{2} - 6\frac{1}{4}$

3. $16.4 - 3.85$

6. $71.5 - 28.742$

4. $94.17 + 65.702$

8. $22 - 1.9$

5. $12 - 5.6$

10. $80 + 24.65$

6. During a science experiment, Mary found the mass of two rocks to be 37.30 grams and 52.4 grams. What is the total mass of these two rocks?

7. A computer programmer had two files. The first was 47.50 gigabytes and the second was 49.8 gigabytes. What is the total file size of both?

8. On Monday and Tuesday the lack received 14.1 inches of water. If it received 9.30 inches on Monday, how much did it receive on Tuesday?

9. Paul walked 2.69 kilometers during the two days he was at the fair. On the first day he walked 1.47 kilometers. How far did he walk on the second day?

10. Cody bought a box of fruit that weighed $3\frac{3}{7}$ kilograms. If he bought a second box that weighed $8\frac{1}{3}$ kilograms, what is the combined weight of both boxes?

11. A chef bought $4\frac{6}{9}$ pounds of carrots. If he later bought another $8\frac{2}{4}$ pounds of carrots, what is the total weight of the carrots bought?

12. Kaley jogged $4\frac{1}{2}$ miles on Monday and $3\frac{2}{9}$ miles on Tuesday. What is the difference between these two distances?

13. In two months Isabel's class recycled $8\frac{1}{2}$ pounds of paper. If they recycled $5\frac{7}{8}$ pounds the first month, how much did they recycle the second month?

Week 4:

Fill in the blank to make the conversion true.

1. 8 feet = _____ inches

2. 5 feet = _____ inches

3. 5 yards = _____ feet

4. 4 yards = _____ feet

5. _____ feet = 10 yards

6. _____ feet = 3 yards

7. _____ inches = 4 feet

8. _____ inches = 9 feet

9. 2 pounds = _____ ounces

10. 1.5 pounds = _____ ounces

11. 30 seconds = _____ minutes

12. 1 day = _____ hours

13. _____ quarts = 2 gallons

14. 12 cups = _____ pints

15. A grocery store sells 9 apples for \$18. What is the unit price of the apples?

16. Amy can make 4 bracelets in 1 hour. How many bracelets can she make in 5 hours?

17. John ran 4 miles in 2 hours. How many miles could he run in 1 hour?

18. The student council is selling 4 doughnuts for \$5. How much does it cost to buy 1 doughnut?

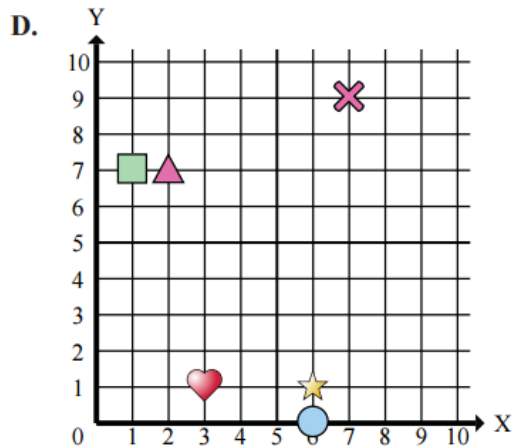
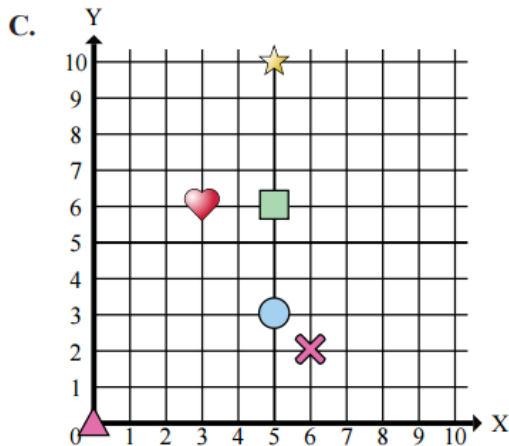
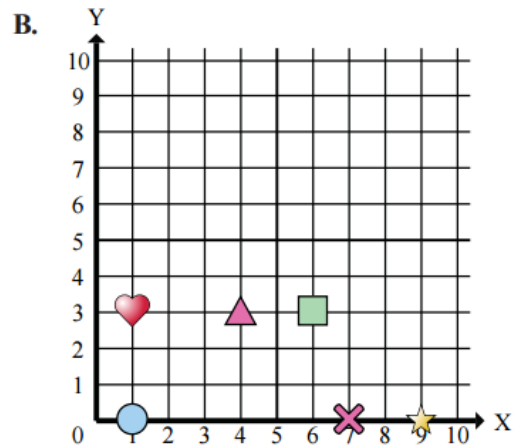
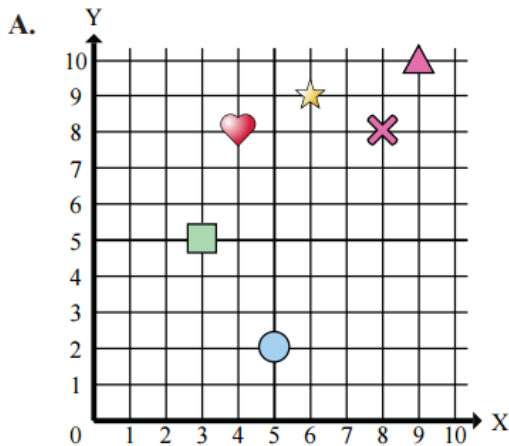
19. If Jamie makes \$7.50 per hour at work, how much will she earn after 5 hours of work?

20. A train is traveling at 50 miles per hour. How long will it take the train to travel 250 miles?



Week 5:

Determine which coordinate plane answers each question.



1. Which coordinate plane has a shape at (5, 3)?
2. Which coordinate plane has a shape at (5, 6)?
3. Which coordinate plane has a shape at (1, 7)?
4. Which coordinate plane has a shape at (5, 2)?
5. Which coordinate plane has a shape at (4, 8)?
6. Which coordinate plane has a shape at (1, 3)?
7. Which coordinate plane has a shape at (3, 5)?
8. Which coordinate plane has a shape at (7, 0)?
9. Which coordinate plane has a shape at (7, 9)?
10. Which coordinate plane has a shape at (6, 3)?
11. Which coordinate plane has a shape at (6, 1)?
12. Which coordinate plane has a shape at (3, 1)?
13. Which coordinate plane has a shape at (3, 6)?
14. Which coordinate plane has a shape at (1, 0)?
15. Which coordinate plane has a shape at (6, 0)?

16. On a piece of graph paper please complete the following steps.

- a. Draw a coordinate plane with 4 quadrants
- b. Label the x axis
- c. Label the y axis
- d. Number the Quadrants 1 – 4
- e. Label the Origin with an O
- f. Plot the point A(-4, 7)
- g. Plot the point B (9, -3)
- h. Plot the 6 point C (-6, -5)



Week 6:

1. A piece of plywood was cut so its length was 8 feet by 4 feet. What is the area of the wood?
2. A rectangle swimming pool was 9 meters wide with a surface area of 90 square meters. What is the length of the pool?
3. A book had a length of 11 inches and a width of 8.5 inches. What is the perimeter of the book?
4. Rachel was cutting out some fabric for a friend. She cut a piece that was 5 centimeters wide and had an area of 20 cm^2 . How long was the piece?
5. A triangle has three sides that measure $5\frac{1}{4} \text{ ft}$, $2\frac{1}{3} \text{ ft}$ and $8\frac{1}{2} \text{ ft}$. What is the perimeter of the triangle?
6. Find the volume of a rectangular prism with the following dimensions: 6 cm, 4 cm, and 8 cm.
7. Find the volume of a rectangular prism with the following dimensions: $5\frac{1}{2} \text{ yd}$, $\frac{1}{4} \text{ yd}$, and 8 yds.
8. Find the perimeter of the triangle with the following side lengths: 4.7 in, 8.226 in., and 2.09 in.
9. Plot the following points on graph paper. Connect the points, then find the area and perimeter of the figure formed. $(-5, 4)$, $(3, 4)$, $(-5, -2)$, $(3, -2)$.