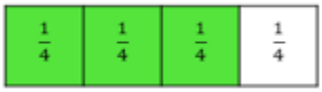
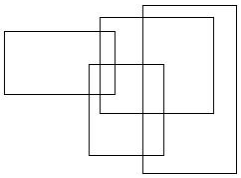
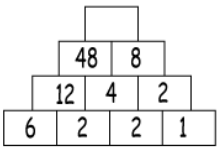
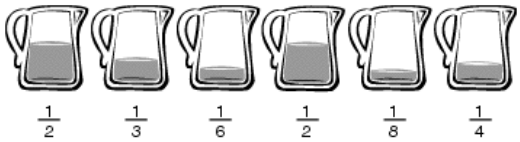
**Name:** **6th Grade Math ITMS Summer Assignment**

| Week of: 06/03/19 | Week of: 06/10/19 | Week of: 06/17/19 | Week of: 06/24/19 |
|---|---|---|---|
| Find the quotient.<br>$0.3\overline{)0.129}$ | Find the quotient.<br>$0.11\overline{)5.973}$ | Find the quotient.<br>$1.5\overline{)8.145}$ | Find the quotient.<br>$0.07\overline{)0.623}$ |
| Find the sum.<br>112.1 + 1.2= | Find the sum.<br>32.923 + 54.2= | Find the sum.<br>1.44 + 24.2= | Find the sum.<br>432.1 + 5.353= |
| Find the difference.<br>15.5 – 7.46= | Find the difference.<br>3.52 – 1.426= | Find the difference.<br>35.2 – 4.42 = | Find the difference.<br>345.3 – 5.42= |
| Solve the following.<br>7.36<br>x .5 | Solve the following.<br>23.5<br>x 4.9 | Solve the following.<br>86.4<br>x .58 | Solve the following.<br>.537<br>x 0.98 |
| Susie has $15.66 to spend on lunch for herself and her friend. If she spends an equal amount on each person. How much will Susie spend on each of them? | Joe bought 5.8 pounds of grapes to have as a snack with his 10 friends. If he shares his grapes evenly, how many pounds of grapes will each of his friends get? | Monday through Friday Ms. Carter ran a total of 25.5 miles. If she ran the same number of miles all 5 days, how many miles did she run in one day? | Every weekend Ms. Sunshine bakes 195 cookies for her class. If she has 25 students in her class, how many cookies will each student receive? |
| Susie wants to take her friend out for lunch. She wants to spend $9.75 per person. How much will she spend in all? | Joe needs to buy snacks for the chess club. There are 12 people in the club and he wants each person to receive .5 pounds of grapes. How many pounds of grapes should he buy? | Ms. Carter runs 7.3 miles a day for 14 days. How many miles did she run in all? | Ms. Sunshine is going to bake cookies for her students. She wants each student to receive 2.5 cookies. If she has 25 students in her class, how many cookies does she need to bake? |
| Mrs. Rivera ran 2.3 miles and Ms. Carter ran 5.3 miles. How many miles did they run total? | Ms. Sunshine had $10.00. She purchased milk for $2.35 and apples for $1.95. How much money does she have left? | Emily has $1.24. Joey has $5.36. Maria has $2.42. Do they have enough money to purchase a CD for $9.00? | Jose walked 5.3 miles to school. After school, he walked 4.52 miles to the library. Finally he walked 2.89 miles home. How far did he walk in all? |
| Use Order of Operations to Solve<br>$11 \times 8 - 6 \div 2$ | Use Order of Operations to Solve<br>$5 + 20 \div 4 - 2$ | Solve the following:<br>$\frac{5}{9} + \frac{3}{8}$ | Solve the following:<br>$\frac{2}{7} + \frac{1}{4}$ |
| Solve the following:<br>$\frac{5}{6} - \frac{1}{12}$ | Solve the following:<br>$\frac{7}{10} - \frac{5}{12}$ | Find the quotient<br>1.2 ÷ 0.3= | Find the product<br>$184 \times 26$ |

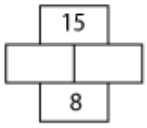
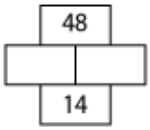
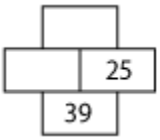
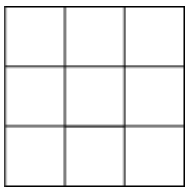
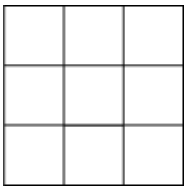
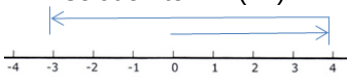
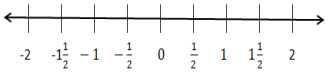
**Name:** **6th Grade Math ITMS Summer Assignment**

| Week of: 07/01/19 | Week of: 07/08/19 | Week of: 07/15/19 | Week of: 07/22/19 |
|---|---|---|---|
| Use >, <, or = to solve the inequality below.<br>7.5 ____ 7.05 | Find the FACTORS of 36. | Use >, <, or = to solve the inequality below.<br>$\frac{4}{5}$ ___ $\frac{1}{2}$ | Find the first five MULTIPLES of 9. |
| Find the sum.<br>637.391<br>+ 372.088 | Find the sum.<br>45.89<br>+ 6.09 | Find the sum.<br>843.96 + 29.760 | Find the sum.<br>67.008 + 3.8 |
| Find the difference.<br>256.805<br>- 136.667 | Find the difference.<br>84.28<br>- 8.37 | Find the difference.<br>738.50 – 23.559 | Find the difference.<br>8.6 - 0.047 |
| Find the product.<br>6,372<br>x 75 | Find the product.<br>67.8<br>x 0.45 | Find the product.<br>$\frac{7}{10} \times \frac{3}{6} =$ | Find the product.<br>73.04 x 1.2 |
| Find the quotient.<br>15 ) 437 | Find the quotient.<br>2.8 ) 68.32 | Find the quotient.<br>$4 \div \frac{2}{5} =$ | Find the quotient.<br>8.024 ÷ 1.7 |
| Use Order of Operations to solve. PEMDAS<br>$7 + 8(3^2 - 2)$ | Use Order of Operations to solve.<br>$4^3 – (24 \div 6) + 8$ | Use Order of Operations to solve.<br>$(6+23) \times (32-25) + 7^2$ | Use Order of Operations to solve.<br>$5^2 + 2[73 – (4x5)]$ |
| Find the quotient.<br>$\frac{1}{2} \div 2 =$ | Find the quotient.<br>$3 \div \frac{1}{3} =$ | Andrea and her friends love cake. Andrea has two cakes. Each of her friends is going to eat 2/3 of a cake. How many friends can Andrea serve cake to? | In an aquarium, $\frac{2}{5}$ of the fish are surgeonfish. Of these, $\frac{3}{4}$ are yellow tang. What fraction of all fish in the aquarium are yellow tang? |
| Find the product<br>$\frac{9}{10} \times \frac{4}{7}$ | What division problem is being modeled?<br>  | Find the product<br>$\frac{7}{8} \times \frac{2}{3}$ | Find the quotient.<br>207 ÷ 23 |

**Name:** **7th Grade Math ITMS Summer Assignment**

| Week of 06/03/19 | Week of 06/10/19 | Week of 06/17/19 | Week of 06/24/19 |
|---|---|---|---|
| What time is 5 ¾ hours after 11:32 pm? | If you have 20 square pieces of wood, describe all the different ways you could make a rectangle by placing them side by side. | If point A is located at (-7, 5) on a coordinate plane, and point B is located at (4, 5), what is the distance between the two points? | Fill in the Blank<br><br>10 quarts = _____ pints |
| How long will it take you to drive 120 miles at a speed of 15 miles per hour? | You drive your car for 4.5 hours at an average speed of 70 miles per hour. How far did you go? | How many rectangles are there?<br>  | What was the biggest decrease in time from the 1st leg to the 2nd leg?<br>**Relay Scores**<br>First Leg: 55.3 seconds; 55.29 seconds; 55.295 seconds; 55.037 seconds<br>Second Leg: 40.38 seconds; 40.402 seconds; 40.4 seconds; 41.2 seconds |
| Which city had the biggest change in inches from January to July?<br>January Rainfall (in inches) / July Rainfall (in inches)<br>Portland, Maine: 3.53 / 3.09<br>Seattle, Washington: 5.38 / 0.76<br>San Francisco, California: 4.35 / 0.03<br>Chicago, Illinois: 1.53 / 3.66<br>Dallas, Texas: 1.83 / 2.31<br>Miami, Florida: 2.01 / 5.7 | | Reduce the fractions<br>$\frac{32}{68}$ $\frac{22}{28}$ $\frac{21}{49}$ | How long is 33 inches added to 4 feet 7 inches? |
| A store sold $115.50 worth of coffee mugs. How many mugs did they sell?<br> | Figure out the pattern, fill in the blank.<br>  | How many pitchers of water would you have if you combined all the water together?<br>  | |
| Which of the following expressions is equivalent to $-\frac{1}{4}-\frac{5}{3}$ ?<br>$-\frac{1}{4}+(-\frac{5}{3})$ or $-\frac{1}{4}+\frac{5}{3}$ | The table shows a bank account balance for 2 days.<br>Day: Mon / Tues<br>Balance: $21 / –$55<br>How much did the bank account change over the two days? | The high temp today was 62°. When nighttime comes, the temp will drop 40°. By 4am the temp will drop an additional 40°. What is the temp at 4am? | Simplify<br>$4\left(\frac{1}{2}+\frac{3}{4}\right)+(-2)=$ |
| How many $\frac{3}{8}$ foot pieces of wood can you cut from a board that is $1\frac{7}{8}$ feet long? | Simplify:<br>$-\frac{2}{3}\div 3\frac{3}{4}$ | Simplify:<br>$36.6\div(12)$ | Jon is making hamburgers for a church lunch. He has $42\frac{2}{3}$ lbs of ground beef. How many $\frac{1}{3}$ pound hamburgers can he make using all the ground beef? |
| Convert $\frac{2}{3}$ to a decimal by long division. | Simplify:<br>$\frac{6}{5}+10.35$ | Simplify:<br>$5.4\times\frac{7}{4}$ | If you had $\frac{26}{12}$ dollars, how much money would that be in dollars and cents (rounded to the nearest penny)? |
| > , <, or =<br>$-\frac{29}{8}$ ____ $-3.62$ | Place the following fractions on the number line.<br>$-\frac{2}{3}(a), \frac{20}{11}(b), \frac{3}{10}(c), -\frac{5}{3}(d)$<br> | Write the fraction $\frac{29}{7}$ as a repeating decimal. | Which number(s) below represents a repeating decimal?<br>$-\frac{2}{3}, -\frac{3}{5}, \frac{3}{10}, \frac{11}{20}$ |

**Name:** **7th Grade Math ITMS Summer Assignment**

| Week of 07/15/19 | Week of 07/22/19 | Week of 07/29/19 | Week of 08/05/19 |
|---|---|---|---|
| Use Order of Operations to simplify.<br>$4^2 - (28 \div 7) + 111$ | A boutique sold $127.50 worth of purses. How many purses did they sell?<br> | If point A is located at (-7, -3), and there are 12 points between A and B, what could be the possible coordinates for point B? | What is the **LCM** of 3 and 8? |
| Janet has 17 quarters and $13 in bills. How much total money does she have? | Find the difference.<br>366,825<br>- 236,657 | How much is half of 2.25? | What adds to be the bottom number but also multiplies to be the top?<br>  |
| What adds to be the bottom number but also multiplies to be the top?<br>  | Same set up as the problem to the left. Fill in the blanks.<br>  | Which one of these numbers is not like the others?<br>25, 16, 49, 63, 81 | Find the product.<br>5,384<br>x 65 |
| How many squares are in this figure?<br>  | How long will it take you to drive 135 miles at a speed of 45 miles per hour? | What is the **GCF** of 54 and 32? | Use Order of Operations to simplify.<br>$4^2 + 5[61 - (5x6)]$ |
| Which one of these numbers is not like the others?<br>21, 15, 6, 16, 27 | What number belongs in the empty pentagon?<br> | Find the sum.<br>527,381<br>+ 364,098 | Fill in the numbers 2 to 10 so every row and column add up to 18.<br>  |
| Jon and Jim painted a fence. Jon painted $\frac{1}{4}$ of the fence and Jim painted $\frac{5}{12}$ of the fence. How much of the fence did they paint total? | Simplify<br>$19 - 1.67 + (-2.4)$ | Use the diagram to find the solution to 4 + (–7)<br>  | Use the diagram below to find the solution to $-\frac{3}{2}+2=$<br>.<br>  |
| Multiply:<br>$\left(-\frac{4}{9}\right)\left(-\frac{5}{8}\right)$ | Divide:<br>$\frac{-20.48}{-4}$ | A mermaid is swimming at sea level when a human comes by. She dives underwater at a rate of 8 meters per second. She continues to descend for 20 seconds. What depth is she now? | Jim is running on a trail that is $\frac{5}{4}$ of a mile long. So far he has run $\frac{2}{3}$ of the trail. How many miles has he run so far? |
| A recipe for cake needs ¾ of a cup of milk. You are making ½ of the recipe. How much milk do you need? | In May, Jim's lunch account has a balance of $58.19. If lunch costs $2.74 per day, how many days will Jim be able to buy lunch before his account runs out of money? | Simplify:<br>$\left(2\frac{3}{5}\right) \div \left(-3\frac{3}{4}\right)$ | Simplify:<br>$\frac{1}{4}\left(-12 + \frac{4}{3}\right)$ |