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| Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**6th Grade CCA Unit 2: Rational Numbers Study Guide****NO CALCULATORS!** |

**Directions: Carefully read and follow the directions for each section. Remember to SHOW YOUR WORK and write your answers on the lines provided. All answers given as fractions must be in simplest form.**

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| Order from least to greatest. 1.) -1.3, -1 $\frac{1}{3}$, -1 $\frac{2}{5}$ 1.) \_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_ |
| **Compare.**2.) -5 $\frac{7}{8}$ \_\_\_\_\_\_ -5.782.) \_\_\_\_\_\_\_\_\_\_ |
| 3.) Which expressions are equivalent to $\frac{-3}{16}$ ? Write each letter that is equivalent on the answer line.a.) - $\frac{3}{16}$ b.) $\frac{3}{16}$ c.) $\frac{3}{-16}$ d.) $\frac{-3}{-16}$ e.) - $\left(-\frac{3}{16}\right)$ f.) $-$ $\left(\frac{3}{16}\right)$3.) \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 4.) The tower that you made for science is 3 $\frac{4}{5}$ feet high. Your friend’s tower is 3 $\frac{8}{9}$ feet high. Which tower is higher? Explain which tower is higher and why. Show your work and explain you answer. |
| **Solve.**5.) $-\frac{7}{4}+3\frac{1}{4}$ 6.) -6.23 + -2.595.) \_\_\_\_\_\_\_\_\_\_\_6.) \_\_\_\_\_\_\_\_\_\_\_  |
| 7.) Mrs. Hecker drinks 1 cup of milk and  cup of water each day. How much liquid does she drink altogether?7.) \_\_\_\_\_\_\_\_\_\_\_ |
| 8.) Find the difference between the two numbers on the number line.TA: C:\replacearts\Red Assessment Book\Red Chapter 2 AB\Arts\PNGs\mscc7_ab_0200_05.png8.) \_\_\_\_\_\_\_\_\_\_\_ |
| **Solve.**9.) - 3 $\frac{1}{2}$ – 2 $\frac{3}{4}$9.) \_\_\_\_\_\_\_\_\_\_\_ |
| 10.) A box of cereal is $\frac{2}{3}$ full. After breakfast the box is $\frac{5}{12}$ full. Find the difference of the amounts before breakfast and after breakfast.10.) \_\_\_\_\_\_\_\_\_\_\_ |
| **Solve.**11.) $-2 \frac{2}{5} × \frac{5}{6}$ 12.) - $\frac{3}{4}$ ÷ - $\frac{5}{8}$11.) \_\_\_\_\_\_\_\_\_\_\_ 12.) \_\_\_\_\_\_\_\_\_\_\_ |
| 13.) Traci makes 5 cups of popcorn. If she splits the popcorn into cups of  for each serving, how many servings can she get from the pudding?13.) \_\_\_\_\_\_\_\_\_\_\_ |