Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Core \_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Cumulative Check In 5.1 – Math 6 Plus

Complete each problem. Explain or show your reasoning! Circle your final answer or input your answer into the grid if provided. All answers in the grid must be as decimals or proper or improper fractions (No mixed numbers).

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| **Calculator Inactive** |
| Grade 6 Math Grid.png1) Jasmine ran 3$\frac{5}{8}$ laps on the track. Samuel ran 5$\frac{1}{4}$ laps What fraction of Samuel’s laps did Jasmine complete? | 2) Simplify: 7.4 x 0.19Grade 6 Math Grid.png |
| 3) If a cube has a volume of 27 cm3, then what is the measure of the edges of the cube?  | 4) What is the area of the shape below: Image result for area of parallelogram on grid |
| 5) Find the surface area of the shape below:Image result for surface area of a net | 6) A kennel contains 250 cats and dogs. If there are 18 dogs for every 7 cats, then how many dogs are at the kennel? |
| **Calculator Active** |
| 7) Which is the better by and by how much? $1.59 per pound of grapes or 5 pounds of grapes for $8. | 8) Kylie scored 22 free throws out of 40 attempts. What percent of the time did she miss the basket? |
| 9) If 45% of a number, n, is 225, what is 74% of n? | 10) Sarah can read 15 pages in 36 minutes. How many minutes per page is that? |