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

Cumulative Check In 5.2 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** |
| 1) Find the value of the variable: $ 1\frac{1}{3}$∙ m = $4\frac{2}{5} $ Grade 6 Math Grid.png | 2) Max made 5 batches of Jello. He used 2 cups of sugar. How much sugar would he need for 1 batch?Grade 6 Math Grid.png |
| 3) Find the surface area of the pyramid below:  | 4) Ronald and Tim both did their laundry today. Ronald does laundry every 6 days and Tim does laundry every 9 days. How many days will it be until Ronald and Tim both do laundry on the same day again? |

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| **Calculator Inactive…still** |
| 5) Simplify: 7.7 ÷ 0.4  | 6) Find the area of the shaded region. All angles are right angles. Show your reasoning.A multi-sided figure. The sides on top measure 10 units, 35 units, and 15 units. Two of the three sides on the left measure 10 units. One of the two sides on the right measures 10 units. One of the two sides on the bottom measure 15 units. The total width of the figure is 60 units, and the total height is 30 units. All angles are right angles. |
| 7) Diego bought 12 mini muffins for $4.20. At this rate, how much would Diego pay for 4 mini muffins? | 8) Which has a greater value: 7.4−0.0022 or 7.39−0.0012? Show your reasoning. |
| 9) A grocery store sells bags of apples in two different sizes.* The 2-pound bags of apples cost $3.
* The 3 - pound bags of apples for $8.

Which Which apples cost less per pound? Explain or show your reasoning. | 10) Simplify: 5 x 0.065 |