CCM8-Quarter 2 - Week 6

|  | Problem 1 | Problem 2 | Gridded Response |
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| Monday | Simplify $\frac{10^{-5} \cdot 10^{-8}}{10^{-11}}$ | Santana missed 2 out of 11 questions on her science test. What percentage did she answer correctly on the test? Write your answer as a repeating decimal. |  |
| Tuesday | In 2015, the approximate population of North Carolina was $1 \times 10^{7}$ people. Also, there were about $2.3 \times 10^{6}$ people under the age of 18 . About what percent of the people in NC in 2015 were under the age of 18 ? | Malik is painting a square mural on the wall. The area of the mural is 75 square inches. Rounding to the nearest hundredth inches, about how long is each side of the mural? |  |
| Wednesday | Which point best represents the $\sqrt{10}$ ? | Ishaan grew $1 . \overline{15}$ inches in June and $0 . \overline{6}$ inches in July. How much more did Ishaan grow in June than July? |  |

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| Thursday | The perimeter of a stop sign is 120 inches. Each side of the stop sign is $3 x-6$ inches. Find the value of $x$. | Simplify $\left(4 a^{2} b^{-5}\right)^{0} \cdot 5 a^{2} \cdot\left(4 a^{6}\right)^{2}$ |  |
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| Friday | Lucia has two rectangular playpens to keep her new dogs. The first rectangle has a width of 10 feet and a length of $x-6$ feet. The second rectangle has a width of 4 feet and a length of <br> $x+5$ feet. What is the sum of the two perimeters? | The product of eight and a number decreased by four is the same as eight plus five times the same number. What is the number? |  |

