**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Ratios and Proportions (6.RP.1)**

Kent mixed oil and gas for his lawn mower. He mixed 8 fluid ounces of oil for every 1 gallon of gas. Which of the following statements must be true?

|  |  |  |
| --- | --- | --- |
| Statement | Yes or No | Explain your thinking |
| For every 2 gallons of gas, he used 16 fluid ounces of oil.  |  |  |
| For every 3 gallons of gas, he used $\frac{3}{8}$ fluid ounces of oil.  |  |  |
| For every 5 gallons of gas, he used 40 fluid ounces of oil.  |  |  |
| For every fluid ounce of oil, he used $\frac{1}{8}$ gallon of gas.  |  |  |
| For every 40 fluid ounces of oil, he used 10 gallons of gas.  |  |  |
| For every 10 fluid ounces of oil, he used $1\frac{1}{4}$ gallons of gas.  |  |  |

Source: PARCC Spring 2017 Algebra 2 Released Items

https://parcc-assessment.org/wp-content/uploads/2018/01/MathReleasedItems/Algebra-II-Item-Set-2017.pdf