**Math 6**

**Spring Student Enrichment Packet**



***ANSWER KEY***

PRINCE GEORGE’S COUNTY PUBLIC SCHOOLS

Office of Academic Programs

Department of Curriculum and Instruction

**™**

**Math 6 Spring Enrichment Packet**

**Answer Key**

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| --- | --- |
| **Problem** | **Answer** |
| 1 | If their car can go 26 miles per gallon, then if it is 515 miles to the park, then 515/26 = 19.8. 19.8 gallons of gas are needed to get the car to the park. If their car holds 20 gallons, then they will have just enough gas to get there but they had better fill up soon! |
| 2 | D |
| 3 | D |
| 4 | 1200 |
| 5 | n ÷ 4 – 1  |
| 6 | $235  |
| 7 | 15 |
| 8 | $$3\frac{3}{14}$$ |
| 9 | B |
| 10 Part A | $\frac{3}{10}÷\frac{1}{12}= \frac{3}{10}×\frac{12}{1}=3.6$ The fraction of time spent waiting in lines for tickets is 3.6 times more than the time spent playing basketball. |
|  Part B | $\frac{1}{6}+\frac{3}{10}+\frac{1}{12}+\frac{3}{10}=\frac{85}{100}$, so there is $\frac{15}{100}$ of the time remaining. If the time riding water rides is two times more than the fraction of time spent having lunch, then $\frac{15}{100}÷3=\frac{5}{100}$, and the fraction of time spent having lunch is $\frac{5}{100}$ and the fraction of time spent on the water rides is $\frac{10}{100}$ |
| 11 | 7 is considered a **constant** and 4 is considered a **coefficient**. Altogether, this expression has **three** terms. |
| 12.  | A |
| 13.  | B, D, E |
| 14.  | 2.828 total liters |
| 15.  | Student plots points (-1, -3) and (9, -3) |