**2016 Mathematics Standards of Learning**

**Algebra Readiness Formative Assessment**

# **6.5b**

1. **The height of a car is inches. The toy model of that car is inches tall. How many times greater is the height of the car than the height of its model? Express this quotient as a mixed number.**
2. **Kelsey filled 12 bags with either a red marble, yellow marble, or blue marble. One sixth of the bags included a red marble. Identify each scenario that could describe the remaining gift bags.**

| of the total bags contain yellow marbles and 2 contain blue marbles. |
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| of the total bags contain yellow marbles and  contain blue marbles. |
| of the total bags contain yellow marbles and  contain blue marbles. |
| of the total bags contain yellow marbles and 6 contain blue marbles. |

1. **Dean bought  gallons of gasoline to use in his lawnmower. If he uses gallon each time that he mows the yard, how many times can he mow the yard before he runs out of gasoline.**
   1. 
   2. 
   3. 5
   4. 6
2. **Each of Mrs. Malone’s 16 students ate  of a pizza. How many pizzas did they eat, altogether?**
3. 6
4. 8
5. 10
6. 12
7. **On Monday Mr. Conner rode his bike for of an hour. On Tuesday he rode  of an hour. On Wednesday he rode  of an hour. His goal had been to ride for three hours altogether. How much time was he short of his goal?**
8. **** hour
9. **** hour
10.  hour
11.  hour

**Virginia Department of Education 2018**