6.5b

1. The height of a car is $46\frac{1}{4}$ inches. The toy model of that car is $2\frac{1}{2}$ 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.

$\frac{2}{3}$ of the total bags contain yellow marbles and 2 contain blue marbles.
$\frac{5}{12}$ of the total bags contain yellow marbles and $\frac{1}{3}$ contain blue marbles.
$\frac{1}{3}$ of the total bags contain yellow marbles and $\frac{1}{2}$ contain blue marbles.
$\frac{1}{2}$ of the total bags contain yellow marbles and 6 contain blue marbles.

3. Dean bought $4\frac{1}{2}$ gallons of gasoline to use in his lawnmower. If he uses $\frac{3}{4}$ gallon each time that he mows the yard, how many times can he mow the yard before he runs out of gasoline.

    A. $3\frac{3}{4}$

    B. $4\frac{3}{8}$

    C. 5

    D. 6

4. Each of Mrs. Malone's 16 students ate $\frac{3}{8}$ of a pizza. How many pizzas did they eat, altogether?

    A.   6

    B.   8

    C.   10

    D.   12

5. On Monday Mr. Conner rode his bike for $\frac{2}{3}$ of an hour. On Tuesday he rode $\frac{5}{6}$ of an hour. On Wednesday he rode $\frac{7}{12}$ of an hour. His goal had been to ride for three hours altogether. How much time was he short of his goal?

    A. $\frac{5}{6}$ hour

    B. $\frac{11}{12}$ hour

    C. $\frac{25}{12}$ hour

    D. $2\frac{1}{12}$ hour