

Name: Class:

Multi - step word problems involving remainders

- a. Sandra has 59 candies. she wants to share them equally amongst her 5 friends and 2 brothers. Find the number of candies each person will get and the number that will be leftover.
- b. Lily has 11 children in her class. She wants to share her 9 blue pens, 10 red pens, and 7 black pens equally amongst her children in class. Not minding the color of pen each child will get, how many pens will each child get and how many will be leftover?
- c. Mrs. Ben's children love collecting marbles. Mrs. Ben bought 152 different types of marbles and gave it to her children. She told 3 girls and 2 boys to share them equally. How many marbles did each child get and how many will be leftover?
- d. After spending \$6,523 on her wedding dress, \$25,631 for food, \$231 for her make-up ,and she also spent twice the amount of money she used for food in buying designer shoes from a well branded store. Zeo was left with only \$45,236 in her credit card. How much money did she have in her credit card initially?
- e. Brenda loves shopping so much. On one of her shopping sprees, she spent \$562 she received from her father, \$785 from her elder brother, twice the amount of money her father gave her from her mother. How much money did she spend in all?
- f. Theodore works in a well renowned restaurant as a chef and earns up to \$72 per hour. If he works for 8 hours from Mondays to Fridays, 4 hours on Saturdays and 10 hours on Sundays, how much does he makes per week?
- g. Mrs. Simon distributes boiled eggs to some eateries in her neighborhood. She usually boils a batch of eggs for 13 minutes. Today, she intends to boil 17 batches of eggs. If he has already boiled 9 batches of eggs, how long will it take her to boil the rest of the batches of eggs?
- h. Every day, Hudson, and his brothers, Lincoln, Leo and Ryan usually go out for a run. Yesterday, Hudson ran 86 miles. Leo ran thrice as many miles as Hudson. Lincoln ran half a mile as Hudson and Ryan ran 75 miles fewer than Leo. How many miles did they run in all?

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- a. Sandra has 59 candies. she wants to share them equally amongst her 5 friends and 2 brothers. Find the number of candies each person will get and the number that will be leftover.

Let's find the total number of people the candies are to be shared.

5 friends plus 2 brothers = 7 people.

Now let's divided the total number of candies by the total number of people.

$$\begin{array}{r} 8 \\ 7 \overline{) 59} \\ \underline{- 56} \\ 3 \end{array} = 8 R 3$$

So, each person will get 8 candies , with 3 leftover.

- b. So, each child will get 2 pens, with 4 leftover.
- c. So, each child will get 30 marbles, with 2 leftover.
- d. So, she had \$103,252 in her credit card initially.
- e. So, she spent \$2,471 in all.
- f. So, he spent \$3,888 in all.
- g. So, she will take 104 minutes to boil the rest of the batches of egg.
- h. So, they ran 570 miles in all.