Grade: 5 **Category:** Fractions (Subtraction/Addition) **Sub Category:** Word problems **Worksheet #:** 61Q

1. Maria is $5\frac{1}{2}$ feet tall and her sister is $5\frac{5}{12}$ feet tall. How much taller is Maria than her sister?

2. A water tank has a capacity of $425\frac{1}{2}$ liters. After using $50\frac{1}{4}$ liters of water for gardening, 100 liters for car washing, how much water is left in the tank?

3. A room is $12\frac{3}{4}$ feet in length and $10\frac{1}{2}$ feet in breadth. How much lengthier is the room than its breadth?

4. Tony uses $\frac{4}{7}$ part of his pocket money for buying a shirt. He also uses $\frac{2}{7}$ part of his to buy a book. What part of the money did he use? What part of money

1. Height of Maria = $5\frac{1}{2}$ feet.

   Height of her sister = $5\frac{5}{12}$ feet.

   Maria is taller by $5\frac{1}{2} - 5\frac{5}{12}$ feet

   $= \frac{1}{2} - \frac{5}{12} = \frac{6-5}{12} = \frac{1}{12}$ feet

   Ans. *Maria is taller by* $\frac{1}{12}$ *feet than her sister.*

2. Amount of water used for gardening = $50\frac{1}{4}$ liters.

Amount of water used for car washing = 100 liters.

Total amount of water used = $50\frac{1}{4}$ + 100 = $150\frac{1}{4}$

Amount of water left in the tank = $425\frac{1}{2}$ - $150\frac{1}{4}$ liters

= $275\frac{1}{2}$ - $\frac{1}{4}$ = $275\frac{2-1}{4}$ = $275\frac{1}{4}$ liters

Ans. *Amount of water left in the tank = $275\frac{1}{4}$ liters.*

3. Length of room = $12\frac{3}{4}$ feet

Breadth of room = $10\frac{1}{2}$ feet

Room is lengthier by $12\frac{3}{4}$ - $10\frac{1}{2}$ feet.

$2\frac{3}{4}$ - $\frac{1}{2}$ = $2\frac{3-2}{4}$ = $2\frac{1}{4}$ feet.

Ans. *The room is lengthier by $2\frac{1}{4}$ feet than its breadth.*

4. Part of pocket money used for buying shirt = $\frac{4}{7}$

Part of pocket money used for buying book = $\frac{2}{7}$

Total part of pocket money used = $\frac{4}{7} + \frac{2}{7} = \frac{6}{7}$

Part of pocket money left = $1 - \frac{6}{7} = \frac{1}{7}$

Ans. *Tony uses $\frac{6}{7}$ part of his pocket money. He is left with $\frac{1}{7}$ part of his pocket money.*