

## Fraction word problems

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### Grade 5 Word Problems Worksheet

1. Patricia wanted to increase her weight from  $32\frac{3}{8}$  kgs to  $39\frac{1}{2}$  kgs in 3 months. Through proper exercise and diet, she gained  $4\frac{3}{4}$  kgs. What is Patricia's new weight? How much more does she need to gain to reach her target weight?
2. As part of their daily exercise, Tom and Jerry were running around town. Tom ran  $5\frac{2}{3}$  km while Jerry ran for  $3\frac{7}{9}$  km. How much farther did Tom run than Jerry?
3. Last Monday, Carlo biked  $2\frac{2}{7}$  km from his house to a park and  $1\frac{1}{3}$  km from the park to Ace's house. Due to a traffic jam, he went from Ace's house back to his house using an alternate route. He biked a total of  $7\frac{2}{3}$  km that day. What was the distance from his house to Ace's house on the first route? How long was the alternate route?



4. Henry and his 5 friends stopped to rest after  $2\frac{1}{5}$  hours of hiking toward the peak of the mountain. They reached the peak of the mountain after  $1\frac{1}{10}$  hours and had their lunch and took pictures there for  $1\frac{1}{2}$  hours. If the entire mountain journey took  $6\frac{7}{8}$  hours, how long did they take going down the mountain?
5. Tyrone emptied  $1\frac{1}{2}$  L of water from his tumbler while exercising at a gym. He refilled his tumbler with  $2\frac{1}{4}$  L of water before the second session of his exercise. He consumed water from it, and he left  $1\frac{1}{5}$  L of water. How much water did he consume in all?
6. The school sports coordinator ordered  $\$110\frac{2}{3}$  worth of brand-new balls for volleyball. They got a discount of  $\$25\frac{1}{5}$  from a promo code after purchasing items worth over \$100. How much did the school sports coordinator pay for the balls?

## Answers

1.  $32\frac{3}{8} + 4\frac{3}{4} = 37\frac{1}{8}$

Patricia's new weight is  $37\frac{1}{8}$  kgs.

$$39\frac{1}{2} - 37\frac{1}{8} = 2\frac{3}{8}$$

She still needs to gain  $2\frac{3}{8}$  kgs to reach her target weight.

2.  $5\frac{2}{3} - 3\frac{7}{9} = 1\frac{8}{9}$

Tom ran  $1\frac{8}{9}$  farther than Jerry.

3.  $2\frac{2}{7} + 1\frac{1}{3} = 3\frac{13}{21}$

The distance from his house to Ace's house was  $3\frac{13}{21}$  km.

$$7\frac{2}{3} - 3\frac{13}{21} = 4\frac{1}{21}$$

The alternate route was  $4\frac{1}{21}$  km long.

4.  $6\frac{7}{8} - (2\frac{1}{5} + 1\frac{1}{10} + 1\frac{1}{2}) = 6\frac{7}{8} - 4\frac{4}{5} = 2\frac{3}{40}$

They took  $2\frac{3}{40}$  hours going down the mountain.

5.  $1\frac{1}{2} + (2\frac{1}{4} - 1\frac{1}{5}) = 1\frac{1}{2} + 1\frac{1}{20} = 2\frac{11}{20}$

He consumed  $2\frac{11}{20}$  L of water.

6.  $\$110\frac{2}{3} - 25\frac{1}{5} = \$85\frac{7}{15}$

The sports coordinator paid  $\$85\frac{7}{15}$  for the balls.