

Fraction word problems

Grade 5 Word Problems Worksheet

Rey is working in a drink stall.

1. Rey went to the nearby supermarket to buy fruit for his fruit shake business. He bought 3 bags of fruit with $9\frac{1}{3}$ kgs of pineapple, $12\frac{4}{5}$ kgs of mangoes and $8\frac{7}{10}$ kgs of oranges altogether. How many kilograms of fruit did he buy in all?
2. He squeezed $8\frac{3}{4}$ L of orange juice and $2\frac{5}{6}$ L of water into a juice dispenser which can hold $12\frac{1}{2}$ L of liquid. He was able to sell $1\frac{1}{3}$ L of that juice before his breaktime. How much juice was left in the juice dispenser?
3. Ronnie bought 6 cans of soft drinks for a total of $\$12\frac{1}{4}$ after receiving a total discount of $\$1\frac{2}{3}$. How much was the original cost of the 6 cans of soft drinks?



4. A recipe calls for mixing $2\frac{1}{5}$ L of orange juice, $3\frac{1}{2}$ L of pineapple juice, $2\frac{1}{4}$ L of apple juice and the rest is water to make $10\frac{3}{4}$ L of their best-selling blended fruit juice. How many liters of water must be added?
5. There were $12\frac{1}{2}$ boxes of plastic bottles of water and $3\frac{2}{3}$ boxes of plastic bottled soft drinks at the drinks stall. Rey supplied his 2 regular customers with $5\frac{5}{6}$ boxes of mineral water bottles from the drink stall. How many boxes of bottled drinks were left the stall?
6. Rey usually works $6\frac{5}{7}$ hours selling drinks, and the rest of his shift he does inventory and cleans the stall before closing. If he works in the drink stall for a total of $7\frac{1}{2}$ hours, how much time does he spend on inventory and cleaning?

Answers

1. $9\frac{1}{3} + 12\frac{4}{5} + 8\frac{7}{10} = 29\frac{55}{30} = 30\frac{5}{6}$

Rey bought $30\frac{5}{6}$ kilograms of fruit from the supplier.

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

There were $10\frac{1}{4}$ L of orange juice left in the juice dispenser.

3. $12\frac{1}{4} + 1\frac{2}{3} = 13\frac{11}{12}$

The original cost of the 6 cans of soft drinks was $\$13\frac{11}{12}$.

4. $10\frac{3}{4} - (2\frac{1}{5} + 3\frac{1}{2} + 2\frac{1}{4}) = 10\frac{3}{4} - 7\frac{19}{20} = 2\frac{4}{5}$

$2\frac{4}{5}$ L of water must be added.

5. $12\frac{1}{2} + 3\frac{2}{3} - 5\frac{5}{6} = 10\frac{1}{3}$

There were $10\frac{1}{3}$ boxes of bottled drinks left in the drink stall.

6. $7\frac{1}{2} - 6\frac{5}{7} = \frac{11}{14}$

He spent $\frac{11}{14}$ hours doing inventory and cleaning.