# Fraction word problems

It is harvest season at Joe's Farm.

1. He has two pumpkin fields and the total area of the two pumpkin fields is $3\frac{2}{5}$ acres. The big field yield $3\frac{2}{5}$ tons of pumpkins and the small $2\frac{1}{12}$ tons of pumpkins. What is the total yield of pumpkins?

2. The biggest zucchini from Joe's farm is $2\frac{5}{8}$ pounds, which is $1\frac{1}{12}$ pound more than the average weight of zucchinis from his farm. What is the average weight of zucchinis from his farm?

3. Farm Joe ordered 3 bags of soil last month. Each bag weighed $4\frac{2}{5}$ kilograms. He used the first bag in a week. At the end of this month, there were $2\frac{3}{4}$ kilograms of soil left in the second bag and $\frac{7}{8}$ kilograms of soil left in the third bag. How much soil was used in this month?

4. Last month, the price of one pound of carrots was $ $2\frac{1}{5}$ and Joe sold $12\frac{1}{12}$ pounds of carrots. This month, the price has increased by $ $1\frac{1}{10}$ and Farmer Joe only sold $5\frac{1}{8}$ pounds of carrots. What is the price of a pound of carrots this month?

5. There were $24\frac{1}{4}$ crates of tomatoes in the barn but $7\frac{3}{5}$ crates of tomatoes were rotten and had to be thrown out. Joe sold $8\frac{1}{3}$ crates and canned $7\frac{5}{6}$ crates of tomatoes. How many crates of tomatoes were left?

6. The farmer's market opens for $2\frac{1}{5}$ hours in the morning and $3\frac{2}{3}$ hours in the afternoon. How long is the farmer's market open in a day?

## Answers

1.  $3\frac{2}{5} + 2\frac{1}{12} = 5\frac{29}{60}$

    $\frac{3}{8}$ of the staff are female.

2.  $2\frac{5}{8} - 1\frac{1}{12} = 1\frac{13}{24}$

    The average weight of zucchinis from his farm is $1\frac{13}{24}$ pounds.

3.  $4\frac{2}{5} + \left(4\frac{2}{5} - 2\frac{3}{4}\right) + (4\frac{2}{5} - \frac{7}{8}) = 9\frac{23}{40}$

    $9\frac{23}{40}$ kilograms of soil were used this month.

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

    The price of a pound of carrots this month is $ $3\frac{3}{10}$.

5.  $24\frac{1}{4} - 7\frac{3}{5} - 8\frac{1}{3} - 7\frac{5}{6} = \frac{29}{60}$

    $\frac{29}{60}$ crate of tomatoes was left.

6.  $2\frac{1}{5} + 3\frac{2}{3} = 5\frac{13}{15}$

    The farmer's market is open $5\frac{13}{15}$ in a day.