

Fraction word problems

Grade 5 Word Problems Worksheet

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

The total yield of pumpkins is $5\frac{29}{60}$ tons.

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

$9\frac{23}{40}$ 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.