

Decimals word problems

Grade 5 Word Problems Worksheet

1. Farmer Alex lives 0.35 km away from the farm. His co-worker Jordan lives $\frac{39}{100}$ km away from the same farm. Whose house is farther from the farm? By what distance?

2. The owner of the farm has 5.6 acres of land planted with banana trees, 4.35 acres of land for tomato plants and the rest is still unoccupied. If he owns a total of 12.56 acres of land, how large is the unoccupied piece of land does he has?

3. Johnny was paid \$5.60 for a job he did on the farm for 1 hour. At the same rate, how much would he be paid if he did the same job for 3.5 hours?



4. Each regular size of basket contains 40 mangoes and costs \$61.50. The farmer harvested 20.2 baskets of mangoes yesterday. How many mangoes were harvested? How much was the total cost of the baskets the farmer harvested yesterday?

5. The farmer bought 2.5 sacks of fertilizer for \$2.20 per sack and 4.5 sacks of essential soil for \$1.80 for each sack from the supplier. If he gave a \$15 bill to the supplier, how much would his change be?

6. The fruit dealer sold 23.67 kgs of mangoes, 67.12 kgs of watermelons, 12.38 kgs of strawberries and 56.73 kgs of oranges. How many kilograms of fruits were left if the fruit dealer started with 167.45 kgs of fruit?

Answers

- $\frac{39}{100} = 0.39$
 $0.39 > 0.35$
 $0.39 - 0.35 = 0.04$
Jordan lives 0.04 km farther from the farm than Alex.
- $12.56 - 5.6 - 4.35 = 2.61$
There are 2.61 acres of land unoccupied.
- $5.6 \times 3.5 = 19.6$
He would be paid \$19.60 for 3.5 hours.
- $40 \times 20.2 = 808$
There were 808 mangoes harvested.
 $20.2 \times 61.50 = \$1,242.30$
The total cost of the baskets of mangoes was \$ 1,242.30.
- $2.5 \times 2.20 = 5.5$
 $4.5 \times 1.80 = 8.10$
 $15 - (5.5 + 8.1) = 15 - 13.60 = 1.40$
He will receive \$1.40 in change.
- $167.45 - (23.67 + 67.12 + 12.38 + 56.73) = 167.45 - 159.9 = 7.55$
There were 7.55 kgs of fruit left.