

Fraction word problems

Grade 5 Word Problems Worksheet

Josh had been busy at work last week.

1. It usually took Josh $\frac{2}{5}$ of an hour to ride his bike to work. But on Monday, his bike was broken, so he took the bus to work which took $\frac{5}{8}$ of an hour. How much longer was it to take the bus to work?

2. Josh was packing to move to another office. He packed $3\frac{2}{5}$ boxes on Tuesday and $2\frac{9}{10}$ boxes on Wednesday. After everything was moved to his new office on Wednesday afternoon, he only found $4\frac{1}{4}$ boxes. How many boxes were missing?

3. Josh had a meeting on Wednesday for $2\frac{7}{8}$ hours, which is $1\frac{1}{4}$ hour longer than scheduled. How much time was scheduled for the meeting?



4. Josh needed to write 12 documents during the week. By Wednesday, he only finished $3\frac{1}{5}$ documents. On Thursday, he finished another $5\frac{3}{4}$ documents. If he finished writing all documents by Friday, how much did he write on Friday?
5. Everyone at the office was having pizza together on Friday. They ordered $2\frac{1}{2}$ cheese pizzas and $3\frac{1}{3}$ pepperoni pizzas. But the pizzeria mixed up their order and delivered $4\frac{1}{4}$ pepperoni pizzas and $1\frac{2}{3}$ cheese pizzas. Did they get more or less pizza? By how much?
6. The price of the pizza was $\$32\frac{4}{5}$ and Josh paid $\$45\frac{1}{2}$ to the delivery person. He gave $\$5\frac{3}{10}$ of change to Josh. How much was the delivery charge?

Answers

1. $\frac{5}{8} - \frac{2}{5} = \frac{9}{40}$

Taking the bus to work was $\frac{9}{40}$ of an hour longer.

2. $3\frac{2}{5} + 2\frac{9}{10} - 4\frac{1}{4} = 2\frac{1}{20}$

$2\frac{1}{20}$ boxes were missing.

3. $2\frac{7}{8} - 1\frac{1}{4} = 1\frac{5}{8}$

$1\frac{5}{8}$ hours were scheduled for the meeting.

4. $12 - 3\frac{1}{5} - 5\frac{3}{4} = 3\frac{1}{20}$

He finished $3\frac{1}{20}$ documents on Friday.

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

They ordered $5\frac{10}{12}$ pizzas.

$$4\frac{1}{4} + 1\frac{2}{3} = 5\frac{11}{12}$$

$5\frac{11}{12}$ pizzas were delivered.

$$5\frac{11}{12} - 5\frac{10}{12} = \frac{1}{12}$$

They got $\frac{1}{12}$ of a pizza more than they ordered.

6. $45\frac{1}{2} - 32\frac{4}{5} - 5\frac{7}{10} = 7\frac{2}{5}$

The delivery charge was $\$7\frac{2}{5}$.