Fraction word problems

Grade 5 Word Problems Worksheets

Read and answer each question:

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 \( 3\frac{3}{5} \) 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 \( 5\frac{2}{5} \) 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 \( 4\frac{1}{6} \) pepperoni pizzas and \( 1\frac{1}{3} \) cheese pizzas. Did they get more or less pizza? By how much?

6. The price of the pizza was \( \$32\frac{1}{5} \) and Josh paid \( \$45\frac{1}{2} \) to the delivery person. He gave \( \$5\frac{1}{10} \) 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. \[3 \frac{2}{5} + 2 \frac{3}{10} - 4 \frac{1}{4} = 2 \frac{1}{20}\]
   
   \[2 \frac{1}{20}\] boxes were missing.

3. \[2 \frac{7}{8} - 1 \frac{1}{4} = 1 \frac{5}{8}\]
   
   \[1 \frac{5}{8}\] hours was 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}\.