

Winter Fractions Word Problems



Solve the problems below. Be sure to show your work.

ANSWER SHEET

1. Matilda built a snowman that was $4\frac{1}{3}$ feet tall. Arlo built a snowman that measured $5\frac{2}{3}$ feet tall. How much taller was Arlo's snowman than Matilda's?

$$5\frac{2}{3} - 4\frac{1}{3} = 1\frac{1}{3} \text{ feet} \quad \text{Arlo's snowman is } 1\frac{1}{3} \text{ feet taller than Matilda's.}$$

2. For their holiday dinner, the Sotos are going to make a vegetable soup. The recipe asks for $\frac{3}{8}$ pounds of carrots, $\frac{5}{8}$ pounds of zucchini, $\frac{7}{8}$ of a pound of onions, and $\frac{4}{8}$ pound of bell pepper.

- a. Place these fractions in order from least to greatest.

$$\frac{3}{8}, \frac{4}{8}, \frac{5}{8}, \frac{7}{8}$$

- b. How many pounds of vegetables in all are needed for this soup recipe?

$$\frac{3}{8} + \frac{4}{8} + \frac{5}{8} + \frac{7}{8} = \frac{19}{8} = 2\frac{3}{8} \text{ pounds of vegetables are needed for this recipe.}$$

3. Kristen made a large sheet of peppermint bark. She cut it into 18 small squares to share with her friends. They ate 11 peppermint bark squares. What fraction of the sheet of peppermint bark is leftover?

$$18 - 11 = 7 \quad \frac{7}{18} \text{ of the peppermint bark is leftover}$$

4. Harper had \$72 to spend on holiday presents for her family. She spent $\frac{2}{3}$ of her money. How much money does she have left?

$$\frac{2}{3} \times 72 = \$48 \quad \$72 - \$48 = \$24 \quad \text{Harper has } \$24 \text{ left.}$$

5. In Wallabee County, there were $6\frac{1}{2}$ inches of snow but in Mudville County, there were $10\frac{3}{4}$ inches of snow. What was the difference in the amount of snow received in these two counties?

$$10\frac{3}{4} - 6\frac{1}{2} = 4\frac{1}{4} \quad \text{The difference in snowfall is } 4\frac{1}{4} \text{ inches.}$$

6. Christina is making a winter hat for her friend. She used $\frac{5}{6}$ yard of blue yarn, $\frac{1}{6}$ yard of yellow yarn, and $\frac{3}{6}$ yard of red yarn. How many yards of yarn did she use in all?

$$\frac{5}{6} + \frac{1}{6} + \frac{3}{6} = \frac{9}{6} \text{ simplified to } 1\frac{1}{2} \text{ yards of yarn} \quad \text{Christina used } 1\frac{1}{2} \text{ yards of yarn.}$$