

Solve each word problem below. Simplify your result, if necessary.

1. While hiking, Justin ate $\frac{3}{4}$ of a cup of nut and Lourdes ate $\frac{2}{4}$ of a cup of nuts. How many cups of nuts did they eat in all?

$$1\frac{1}{4} \text{ cups}$$

2. Katie and her sister went together to get haircuts. Katie had $\frac{5}{6}$ of an inch cut off and her sister had $\frac{1}{6}$ of an inch cut off. Compared to her sister, how much more hair did Katie have taken off?

$$\frac{2}{3} \text{ in}$$

3. A recipe needs $\frac{5}{4}$ of a pound of white sugar and $\frac{3}{4}$ of a pound of brown sugar. How much more white sugar does the recipe need than brown sugar?

$$\frac{1}{2} \text{ cm used; } \frac{3}{8} \text{ cm left}$$

4. Sam has $\frac{3}{5}$ kilogram of jelly beans and $\frac{2}{3}$ kilogram of chocolate bars. How many kilograms of candy does he have in all?

$$1\frac{4}{15} \text{ kg}$$

5. Austin Zoo has two elephants. One elephant weighs $\frac{3}{5}$ of a ton and the other weighs $\frac{3}{10}$ of a ton. How much more does the first elephant weigh than the second?

$$\frac{3}{10} \text{ ton}$$

6. A carpenter had $\frac{11}{12}$ of a meter of wood, from which he cut $\frac{3}{4}$ of a meter. How much wood was left?

$$\frac{1}{6} \text{ m}$$

7. Anita drank $\frac{1}{3}$ of a bottle of soda and Cathy drank $\frac{1}{6}$ of a bottle. How much more soda did Anita drink than Cathy?

$$\frac{1}{6} \text{ bottle}$$

8. A pizza chef used $\frac{1}{2}$ of a package of pepperoni, $\frac{4}{5}$ of a package of mushrooms, and $\frac{3}{4}$ of a package of sausage. How many packages did the chef use in all?

$$2\frac{1}{20} \text{ package}$$

9. Josh did $\frac{2}{3}$ of an hour of math homework on Monday, $\frac{5}{6}$ of an hour on Tuesday, and $\frac{3}{4}$ of an hour on Wednesday. How many hours of homework did he do in all?

$$2\frac{1}{4} \text{ hrs}$$

10. An electrician had $\frac{7}{8}$ cm of wire. He used $\frac{1}{8}$ cm on his first job and $\frac{3}{8}$ cm on his second job. How much wire did he use on his jobs? How much wire did he left when he was done?

$$\frac{1}{2} \text{ cm used; } \frac{3}{8} \text{ cm left}$$