

Section 3.2 Addition and Applications

Add and simplify.

$$1) \frac{5}{10} + \frac{5}{10}$$

Add and simplify.

$$4) \frac{1}{5} + \frac{1}{10}$$

$$2) \frac{5}{19} + \frac{7}{19}$$

$$5) \frac{1}{4} + \frac{1}{12}$$

Add. Write answer in lowest terms.

$$3) \frac{13}{56} + \frac{17}{56} + \frac{10}{56}$$

$$6) \frac{1}{7} + \frac{1}{21}$$

7) $\frac{10}{9} + \frac{0}{2}$

10) John bought $\frac{2}{7}$ lb of thyme, $\frac{9}{7}$ lb of rosemary, and $\frac{1}{28}$ lb of dill. How many pounds of herbs did he buy in total?

8) $\frac{3}{4} + \frac{5}{10} + \frac{6}{18}$

11) A lawyer stacks three case files on top of each other. The thicknesses of the files are $\frac{5}{8}$, $\frac{4}{10}$, and $\frac{6}{18}$ inches. What is the total height of the stack of files?

Solve.

9) A recipe calls for $\frac{1}{11}$ L of water and $\frac{5}{11}$ L of milk. If the recipe is doubled, how much liquid will be needed?