Name: \_\_\_\_\_

## **Adding Fractions**

with the Double Unlike Denominators, Requires Simplifying

$$\frac{2}{4} \quad \frac{2}{4} = \frac{6}{12}$$

$$\frac{1}{3} \quad + \frac{1}{3} = \frac{4}{12}$$

$$\frac{1}{4} = \frac{4}{12}$$

$$\frac{1}{3} = \frac{4}{12}$$

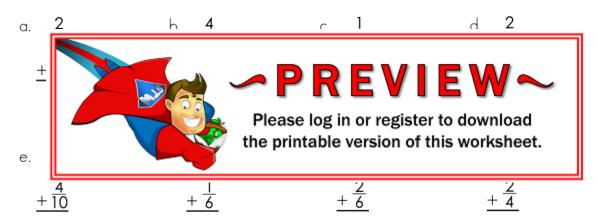
$$\frac{1}{3} = \frac{4}{12}$$

$$\frac{1}{3} = \frac{4}{12}$$

$$\frac{1}{3} = \frac{4}{12}$$

$$\frac{10}{12} = \frac{5}{6}$$

Add the fractions and simplify the answers.



i. 
$$\frac{2}{4} + \frac{1}{7}$$

j. 
$$\frac{2}{10} + \frac{2}{6}$$

k. 
$$\frac{1}{7}$$
  $+\frac{4}{6}$ 

1. 
$$\frac{2}{6}$$
 +  $\frac{2}{8}$ 

m. Joe walked  $\frac{2}{6}$  of a mile on Monday. On Tuesday he walked another  $\frac{2}{9}$  of a mile. How far did Joe walk on Monday and Tuesday?

## **ANSWER KEY**

## **Adding Fractions**

with the Double Unlike Denominators, Requires Simplifying

$$\frac{2}{4} \quad \frac{2}{4} = \frac{6}{12}$$

$$\frac{1}{3} \quad + \frac{1}{3} = \frac{4}{12}$$

$$\frac{1}{3} \quad + \frac{1}{3} = \frac{4}{12}$$

$$\frac{1}{12} \quad + \frac{1}{3} = \frac{4}{12}$$

$$\frac{1}{12} \quad + \frac{1}{3} = \frac{4}{12}$$

$$\frac{10}{12} \quad \frac{5}{6}$$

Add the fractions and simplify the answers.



e.

$$\frac{+\frac{4}{10} = \frac{12}{30}}{\frac{22}{30} = \frac{11}{15}}$$

 $\frac{+\frac{1}{6} = \frac{4}{24}}{224} = \frac{11}{12}$ 

$$\frac{+\frac{2}{6} = \frac{6}{18}}{\frac{12}{18} = \frac{2}{3}}$$

the printable version of this worksheet.

$$\frac{+\frac{2}{4} = \frac{18}{36}}{\frac{34}{36} = \frac{17}{18}}$$

i.

$$\frac{\frac{2}{4} = \frac{14}{28}}{\frac{1}{7} = \frac{4}{28}}$$

$$\frac{\frac{18}{28} = \frac{9}{14}}{\frac{18}{28}}$$

j.  $\frac{2}{10} = \frac{6}{30}$ 

$$\frac{\frac{2}{6} = \frac{10}{30}}{\frac{16}{30}} = \frac{8}{15}$$

k. \_

$$\frac{7}{7} = \frac{4}{42}$$

$$+ \frac{4}{6} = \frac{28}{42}$$

$$\frac{34}{42} = \frac{17}{21}$$

 $\frac{2}{6} = \frac{2}{6}$ 

$$\begin{array}{c} 6 & 24 \\ + \frac{2}{8} = \frac{6}{24} \\ \frac{14}{24} = \frac{7}{12} \end{array}$$

m. Joe walked  $\frac{2}{6}$  of a mile on Monday. On Tuesday he walked another  $\frac{2}{9}$  of a mile.

How far did Joe walk on Monday and Tuesday?

$$\frac{\frac{2}{6} = \frac{12}{36}}{\frac{2}{6} = \frac{8}{36}} \\
+ \frac{2}{9} = \frac{8}{36} \\
\frac{20}{36} = \frac{5}{9}$$