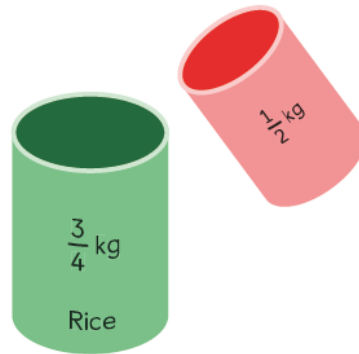


Adding Fractions

Lesson 10

In Focus

There was $\frac{3}{4}$ kg of rice in a container.
Find the weight of rice in the container
after another $\frac{1}{2}$ kg is added.



Let's Learn

1 $\frac{3}{4} + \frac{1}{2} =$



The fractions have different denominators. We must make the denominators the same.



$\frac{5}{4}$ is an improper fraction.



$$\begin{aligned} \frac{3}{4} + \frac{1}{2} &= \frac{3}{4} + \frac{2}{4} \\ &= \frac{5}{4} \\ &= 1\frac{1}{4} \end{aligned}$$

$$\begin{aligned}
 2 \quad \frac{3}{4} + \frac{1}{2} &= \frac{3}{4} + \frac{2}{4} \\
 &\quad \quad \quad \downarrow \quad \downarrow \\
 &\quad \quad \quad \frac{1}{4} \quad \frac{1}{4} \\
 &= 1 + \frac{1}{4} \\
 &= 1\frac{1}{4}
 \end{aligned}$$

Guided Practice

- 1 (a) Find the sum of $\frac{2}{3}$ and $\frac{4}{9}$.



Is it an improper fraction? Is it in its simplest form?

$$\begin{aligned}
 &\frac{2}{3} + \frac{4}{9} \\
 &= \frac{\square}{\square} + \frac{\square}{\square} \\
 &= \frac{\square}{\square}
 \end{aligned}$$

Are the denominators the same?



$$\frac{2}{3} + \frac{4}{9} = \square$$

- (b) Add.

$$\frac{2}{3} + \frac{5}{9} = \square$$

2

Add.

$$(a) \frac{3}{4} + \frac{5}{8} = \frac{\square}{\square} + \frac{\square}{\square}$$

$$= \frac{\square}{\square}$$

$$(b) \frac{3}{4} + \frac{3}{8} = \frac{\square}{\square} + \frac{\square}{\square}$$

$$= \frac{\square}{\square}$$

$$(c) \frac{3}{5} + \frac{7}{10} = \frac{\square}{\square} + \frac{\square}{\square}$$

$$= \frac{\square}{\square}$$

$$(d) \frac{4}{5} + \frac{3}{10} = \frac{\square}{\square} + \frac{\square}{\square}$$

$$= \frac{\square}{\square}$$

Is the sum a proper fraction?



Is it in its simplest form?

Name: _____ Class: _____ Date: _____

Worksheet 10

Adding Fractions

1 Add and give your answer as a mixed number in its simplest form.

(a) $\frac{3}{5} + \frac{1}{2}$

= +

=

=

(b) $\frac{5}{7} + \frac{1}{2}$

= +

=

=

(c) $\frac{5}{6} + \frac{4}{9}$

= +

=

=

(d) $\frac{5}{6} + \frac{2}{3}$

= +

=

=

=

2 Find the sum.

$$\begin{aligned} \text{(a)} \quad & \frac{5}{7} + \frac{9}{14} \\ &= \frac{10}{14} + \frac{9}{14} \\ & \quad \swarrow \quad \searrow \\ & \frac{4}{14} \quad \frac{5}{14} \\ &= 1 + \frac{5}{14} \\ &= \square \end{aligned}$$

$$\begin{aligned} \text{(b)} \quad & \frac{9}{11} + \frac{13}{22} \\ &= \square + \frac{13}{22} \\ & \quad \swarrow \quad \searrow \\ & \square \quad \square \\ &= \square + \square \\ &= \square \end{aligned}$$