

Adding Fractions

1 Add and then write each fraction in its simplest form.



$$\frac{4}{9}$$



$$\frac{8}{9}$$



$$\frac{7}{9}$$

$$\begin{aligned} \text{(a)} \quad \frac{4}{9} + \frac{8}{9} &= \boxed{\frac{12}{9}} \\ &= 1 + \boxed{\frac{3}{9}} \\ &= \boxed{1\frac{1}{3}} \end{aligned}$$

$$\begin{aligned} \text{(b)} \quad \frac{8}{9} + \frac{7}{9} &= \boxed{\frac{15}{9}} \\ &= \boxed{1} + \boxed{\frac{6}{9}} \\ &= \boxed{1} + \boxed{\frac{2}{3}} \\ &= \boxed{1\frac{2}{3}} \end{aligned}$$

$$\begin{aligned} \text{(c)} \quad \frac{4}{9} + \frac{8}{9} + \frac{7}{9} &= \boxed{\frac{19}{9}} \\ &= \boxed{2} + \boxed{\frac{1}{9}} = \boxed{2\frac{1}{9}} \end{aligned}$$

2 Show your answers in the simplest form.

$$(a) \quad \frac{3}{4} + \frac{3}{4} = \boxed{\frac{6}{4}} = \boxed{\frac{3}{2}}$$

$$(b) \quad \frac{7}{6} + \frac{3}{6} = \boxed{\frac{10}{6}} = \boxed{\frac{5}{3}}$$

$$(c) \quad \frac{13}{12} + \frac{8}{12} = \boxed{\frac{21}{12}} = \boxed{\frac{7}{4}}$$

$$(d) \quad \frac{7}{10} + \frac{9}{10} = \boxed{\frac{16}{10}} = \boxed{\frac{8}{5}}$$

3 Add and then write each answer in its simplest form.

$$(a) \quad \frac{5}{6} + \frac{3}{6} = 1 + \boxed{\frac{2}{6}} = \boxed{1\frac{1}{3}}$$

$$(b) \quad \frac{5}{8} + \frac{7}{8} = \boxed{1} + \boxed{\frac{4}{8}} = \boxed{1\frac{1}{2}}$$

$$(c) \quad 2\frac{9}{10} + \frac{6}{10} = \boxed{2} + \boxed{1\frac{5}{10}}$$
$$= \boxed{2} + \boxed{1\frac{1}{2}} = \boxed{3\frac{1}{2}}$$

$$(d) \quad \frac{3}{4} + \frac{3}{4} + \frac{4}{4} = \boxed{2} + \boxed{\frac{2}{4}} = \boxed{2\frac{1}{2}}$$