

Worksheet 8

Adding Fractions

1 Add and give your answer in the simplest form.

$$(a) \quad \frac{2}{5} + \frac{2}{5} = \boxed{\frac{4}{5}}$$

$$(b) \quad \frac{2}{7} + \frac{4}{7} = \boxed{\frac{6}{7}}$$

$$(c) \quad \frac{4}{9} + \frac{2}{9} = \boxed{\frac{6}{9}}$$
$$= \boxed{\frac{2}{3}}$$

$$(d) \quad \frac{3}{8} + \frac{1}{8} = \boxed{\frac{4}{8}}$$
$$= \boxed{\frac{1}{2}}$$

2 Add.

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

$$(b) \quad \frac{1}{6} + \frac{5}{12}$$
$$= \boxed{\frac{2}{12}} + \boxed{\frac{5}{12}}$$
$$= \boxed{\frac{7}{12}}$$

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

$$(d) \quad \frac{1}{15} + \frac{2}{5}$$
$$= \boxed{\frac{1}{15}} + \boxed{\frac{6}{15}}$$
$$= \boxed{\frac{7}{15}}$$

3 Add.

$$\begin{aligned} \text{(a)} \quad & \frac{2}{5} + \frac{1}{5} + \frac{1}{10} \\ &= \boxed{\frac{4}{10}} + \boxed{\frac{2}{10}} + \boxed{\frac{1}{10}} \\ &= \boxed{\frac{7}{10}} \end{aligned}$$

$$\begin{aligned} \text{(b)} \quad & \frac{1}{3} + \frac{2}{5} + \frac{3}{15} \\ &= \boxed{\frac{5}{15}} + \boxed{\frac{6}{15}} + \boxed{\frac{3}{15}} \\ &= \boxed{\frac{14}{15}} \end{aligned}$$

$$\begin{aligned} \text{(c)} \quad & \frac{1}{6} + \frac{1}{4} + \frac{1}{2} \\ &= \boxed{\frac{2}{12}} + \boxed{\frac{3}{12}} + \boxed{\frac{6}{12}} \\ &= \boxed{\frac{11}{12}} \end{aligned}$$

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