Adding Fractions
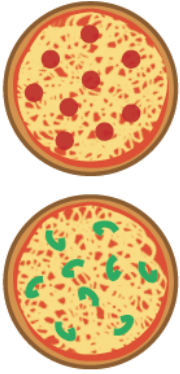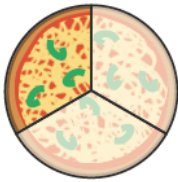
Elliott's mother ordered 2 pizzas of the same size.

Elliott ate $\frac{1}{3}$ of one and $\frac{1}{6}$ of the other.

How much pizza did Elliott eat in all?

Let's Learn

1

$\frac{1}{3}$ $\frac{1}{6}$

We need to make the denominators equal before adding.

$\frac{1}{3} = \frac{2}{6}$ $\frac{1}{6}$

$\frac{1}{3} + \frac{1}{6} = \frac{2}{6} + \frac{1}{6}$

$= \frac{3}{6}$

$= \frac{1}{2}$

$\frac{3}{6} = \frac{1}{2}$

Elliott ate half a pizza in all.

2 Find the sum of $\frac{1}{6}$, $\frac{1}{2}$ and $\frac{1}{3}$.

Method 1

$$\frac{1}{6} + \frac{1}{2} + \frac{1}{3} = \frac{1}{6} + \frac{3}{6} + \frac{2}{6}$$

$$= \frac{6}{6} = 1$$

Method 2

$$\frac{1}{6} + \frac{1}{2} + \frac{1}{3} = \frac{1}{2} + \frac{1}{2}$$

$$= 1$$

$$\frac{1}{6} + \frac{1}{3} = \frac{1}{2}$$

Guided Practice

1 Add.

(a) $\frac{1}{6} + \frac{1}{6} =$ ☐

Both are sixths.

(b) $\frac{1}{5} + \frac{3}{10} =$ ☐

(c) $\frac{2}{3} + \frac{1}{12} =$ ☐

Is the sum in its simplest form?

2 (a) Find the sum of $\frac{1}{4}$ and $\frac{5}{12}$.

(b) Find the sum of $\frac{1}{4}$, $\frac{1}{3}$ and $\frac{5}{12}$.

Complete Worksheet 9 – Page 141 – 142

Name: _____ Class: _____ Date: _____

Worksheet 9

Adding Fractions

1 Add and give your answer in the simplest form.

(a) $\dfrac{1}{10} + \dfrac{2}{10} = \boxed{}$

(b) $\dfrac{3}{7} + \dfrac{2}{7} = \boxed{}$

(c) $\dfrac{1}{9} + \dfrac{2}{9} = \boxed{}$

$= \boxed{}$

(d) $\dfrac{1}{8} + \dfrac{1}{8} = \boxed{}$

$= \boxed{}$

2 Add and give your answer in the simplest form.

(a) $\dfrac{1}{2} + \dfrac{1}{10}$

$= \boxed{} + \boxed{}$

$= \boxed{}$

$= \boxed{}$

(b) $\dfrac{1}{6} + \dfrac{5}{12}$

$= \boxed{} + \boxed{}$

$= \boxed{}$

(c) $\dfrac{1}{2}$ + $\dfrac{1}{6}$

= ☐ + ☐

= ☐

= ☐

(d) $\dfrac{6}{15}$ + $\dfrac{2}{5}$

= ☐ + ☐

= ☐

= ☐

3 Add and give your answer in the simplest form.

(a) $\dfrac{2}{9}$ + $\dfrac{1}{3}$ + $\dfrac{1}{9}$

= ☐ + ☐ + ☐

= ☐

= ☐

(b) $\dfrac{1}{8}$ + $\dfrac{1}{6}$ + $\dfrac{1}{3}$

= ☐ + ☐ + ☐

= ☐

= ☐