

Subtracting Fractions

Lesson 14

In Focus

I used $1\frac{1}{4}$ lbs.



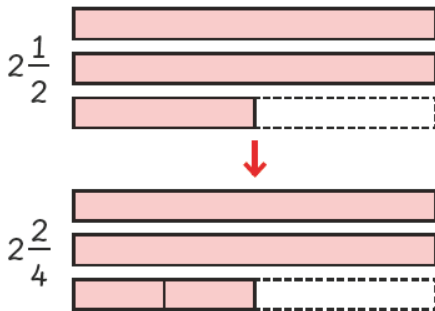
I used $\frac{7}{8}$ lbs.

How much flour is left in each bag?

Let's Learn

1 $2\frac{1}{2} - 1\frac{1}{4} =$

Method 1



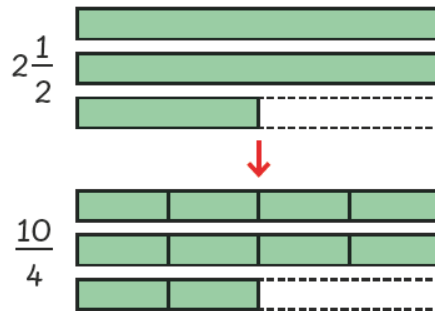
$$\begin{aligned} &2\frac{1}{2} - 1\frac{1}{4} \\ &= 2\frac{2}{4} - 1\frac{1}{4} \\ &= 1\frac{1}{4} \end{aligned}$$

2 - 1



$$\frac{2}{4} - \frac{1}{4}$$

Method 2



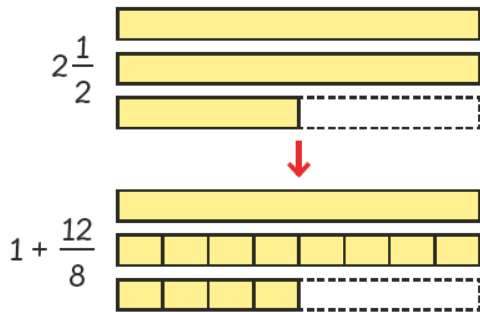
$$\begin{aligned} &2\frac{1}{2} - 1\frac{1}{4} \\ &= \frac{10}{4} - \frac{5}{4} \\ &= \frac{5}{4} \\ &= 1\frac{1}{4} \end{aligned}$$

$1\frac{1}{4} = \frac{5}{4}$



2 $2\frac{1}{2} - \frac{7}{8} =$

Method 1



$$2\frac{1}{2} - \frac{7}{8}$$

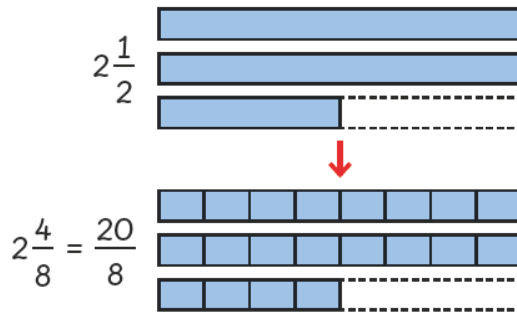
$$= 1 + \frac{12}{8} - \frac{7}{8}$$

$$= 1\frac{5}{8}$$

$2\frac{1}{2} = 2\frac{4}{8} = 1\frac{12}{8}$



Method 2



$$2\frac{1}{2} - \frac{7}{8}$$

$$= \frac{20}{8} - \frac{7}{8}$$

$$= \frac{13}{8}$$

$$= \frac{8}{8} + \frac{5}{8}$$

$$= 1\frac{5}{8}$$

Method 3

$2\frac{1}{2} - \frac{7}{8} = 1\frac{1}{2} + \frac{1}{8}$



Can you explain 's method?

Guided Practice

- 1 Find the difference between $3\frac{1}{3}$ and $1\frac{8}{9}$.



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



$$1\frac{8}{9}$$

Method 1

$$\begin{aligned} 3\frac{1}{3} - 1\frac{8}{9} \\ = 3\frac{\square}{9} - 1\frac{8}{9} \\ = 2\frac{\square}{9} - 1\frac{8}{9} \\ = \square \end{aligned}$$

Method 2

$$\begin{aligned} 3\frac{1}{3} - 1\frac{8}{9} \\ = 1\frac{1}{3} + 2 - 1\frac{8}{9} \\ = 1\frac{1}{3} + \square \\ = \square \end{aligned}$$

$$2 - 1\frac{8}{9} = \square$$



- 2 Subtract.

(a) $2\frac{7}{8} - 1\frac{1}{2} = \square$

(b) $2\frac{7}{8} - 1\frac{1}{8} = \square$

(c) $3\frac{1}{12} - 1\frac{1}{6} = \square$

(d) $3\frac{1}{12} - 1\frac{5}{6} = \square$

Name: _____ Class: _____ Date: _____

Worksheet 14

Subtracting Fractions

- 1 Subtract using Hannah's and Charles' methods.



's method

$$\begin{aligned} & 2\frac{1}{2} - 1\frac{1}{8} \\ &= 2\frac{4}{8} - 1\frac{1}{8} \\ &= 1\frac{3}{8} \end{aligned}$$



's method

$$\begin{aligned} & 2\frac{1}{2} - 1\frac{1}{8} \\ &= \frac{20}{8} - \frac{9}{8} \\ &= \frac{11}{8} \\ &= 1\frac{3}{8} \end{aligned}$$



's method

$$\begin{aligned} & 3\frac{1}{5} - 2\frac{1}{6} \\ &= \end{aligned}$$



's method

$$\begin{aligned} & 3\frac{1}{5} - 2\frac{1}{6} \\ &= \end{aligned}$$

2 Subtract using Sam's and Holly's methods.



's method

$$\begin{aligned} & 3\frac{1}{5} - 1\frac{3}{10} \\ &= 3\frac{2}{10} - 1\frac{3}{10} \\ &= 2\frac{12}{10} - 1\frac{3}{10} \\ &= 1\frac{9}{10} \end{aligned}$$



's method

$$\begin{aligned} & 3\frac{1}{5} - 1\frac{3}{10} \\ &= 1\frac{1}{5} + 2 - 1\frac{3}{10} \\ &= 1\frac{2}{10} + \frac{7}{10} \\ &= 1\frac{9}{10} \end{aligned}$$



's method

(a) $3\frac{1}{14} - 1\frac{3}{7}$
=

(b) $4\frac{1}{3} - 1\frac{7}{9}$
=



's method

(a) $3\frac{1}{14} - 1\frac{3}{7}$
=

(b) $4\frac{1}{3} - 1\frac{7}{9}$
=