## Worksheet 14

### Subtracting Fractions

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

 's method

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

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

$$= 1\frac{3}{8}$$

 's method

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

$$= \frac{20}{8} - \frac{9}{8}$$

$$= \frac{11}{8}$$

$$= 1\frac{3}{8}$$

 's method

$$3\frac{1}{5} - 2\frac{1}{6}$$

$$= 3\frac{6}{30} - 2\frac{5}{30}$$

$$= 1\frac{1}{30}$$

 's method

$$3\frac{1}{5} - 2\frac{1}{6}$$

$$= \frac{16}{5} - \frac{13}{6}$$

$$= \frac{96}{30} - \frac{65}{30}$$

$$= \frac{31}{30}$$

$$= 1\frac{1}{30}$$

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


's method

$$3\frac{1}{5} - 1\frac{3}{10}$$
$$= 3\frac{2}{10} - 1\frac{3}{10}$$
$$= 2\frac{12}{10} - 1\frac{3}{10}$$
$$= 1\frac{9}{10}$$


's method

$$3\frac{1}{5} - 1\frac{3}{10}$$
$$= 1\frac{1}{5} + 2 - 1\frac{3}{10}$$
$$= 1\frac{2}{10} + \frac{7}{10}$$
$$= 1\frac{9}{10}$$


's method

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

$= 3\frac{1}{14} - 1\frac{6}{14}$

$= 2\frac{15}{14} - 1\frac{6}{14}$

$= 1\frac{9}{14}$

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

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

$= 3\frac{12}{9} - 1\frac{7}{9}$

$= 2\frac{5}{9}$


's method

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

$= 1\frac{1}{14} + 2 - 1\frac{3}{7}$

$= 1\frac{1}{14} + \frac{8}{14}$

$= 1\frac{9}{14}$

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

$= 1\frac{3}{9} + 3 - 1\frac{7}{9}$

$= 1\frac{3}{9} + 1\frac{2}{9}$

$= 2\frac{5}{9}$