

1 Amir and Alex are working out $3\frac{1}{2} - 2\frac{1}{4}$



Amir

First subtract 2 from 3,
then subtract $\frac{1}{4}$ from $\frac{1}{2}$
That leaves $1\frac{1}{4}$



Alex

Convert to an improper
fraction first, $\frac{7}{2} - \frac{9}{4}$, then
 $\frac{14}{4} - \frac{9}{4} = \frac{5}{4} = 1\frac{1}{4}$

Whose method do you prefer?

2 Use your preferred method to complete the subtractions.

a) $4\frac{4}{5} - 2\frac{3}{10} = \square$

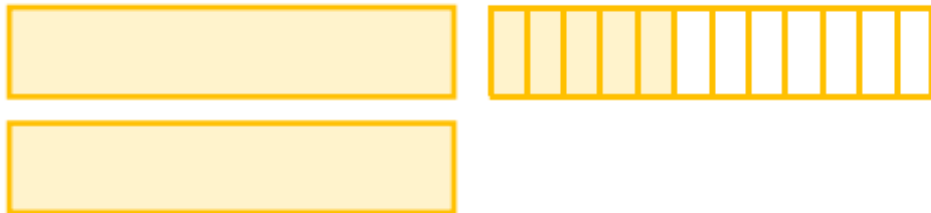
c) $16\frac{1}{2} - 5\frac{1}{4} = \square$

b) $3\frac{5}{8} - 1\frac{1}{4} = \square$

d) $10\frac{5}{6} - 5\frac{5}{12} = \square$

Without using parts of the whole, complete the subtraction using the visual.

$$2\frac{5}{12} - 1\frac{1}{4} =$$



$$2\frac{5}{12} - 1 = \square \frac{\square}{12}$$

$$\square \frac{5}{12} - \frac{1}{4} = \square \frac{5}{12} - \frac{\square}{12} = \square \frac{\square}{12}$$

5 Complete the subtractions.

a) $4\frac{4}{5} - 2\frac{9}{10} = \square$

c) $5\frac{2}{7} - 2\frac{11}{14} = \square$

b) $3\frac{5}{8} - 1\frac{3}{4} = \square$

d) $2\frac{1}{6} - 1\frac{7}{18} = \square$

6 Dexter is subtracting fractions.



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

Explain the mistake that Dexter has made.

Find and rectify Ranjit's error when subtracting the mixed numbers below...

$$3 \frac{9}{14} - 1 \frac{2}{7} =$$



$$3 - 1 = 2$$

$$\frac{9}{14} - \frac{2}{7} = \frac{9}{14} - \frac{2}{14} = \frac{7}{14}$$

The answer is $2 \frac{1}{2}$

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

$$2 \frac{3}{6} - 1 \frac{3}{4} =$$

Which method would you use? Why?

$$2 \frac{2}{5} - 1 \frac{8}{15} =$$



Subtract the wholes.
Then, subtract the remaining fractions.

Convert the mixed numbers into
improper fractions. Then, subtract them.

