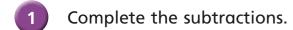
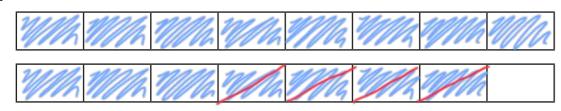
## **Subtract mixed numbers**





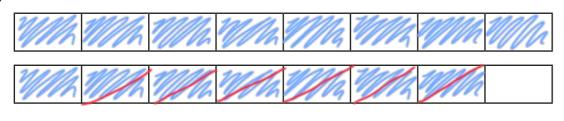
Use the bar models to help you.

a)



$$\frac{15}{8} - \frac{1}{2} = \boxed{\frac{3}{8}}$$

b)



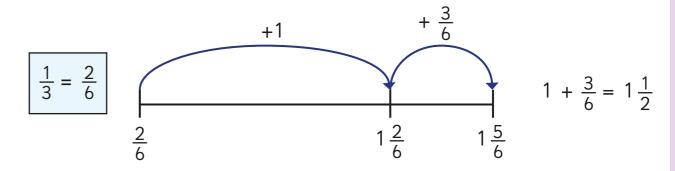
$$1\frac{7}{8} - \frac{3}{4} = \boxed{\frac{1}{8}}$$

c)

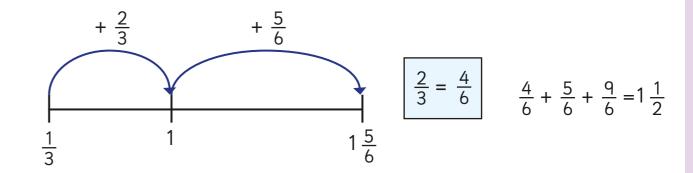


$$1\frac{1}{2} - \frac{3}{8} = \boxed{\frac{1}{8}}$$

Dexter and Whitney are using number lines to work out  $1\frac{5}{6} - \frac{1}{3}$ Dexter's method

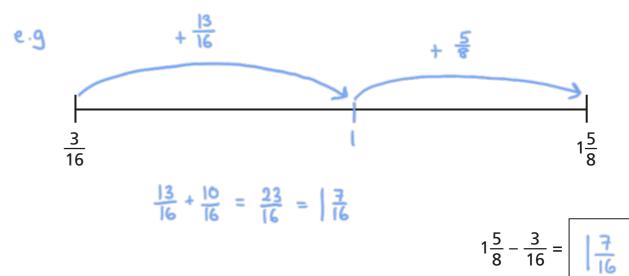


## Whitney's method



What is the same and what is different about these methods?

Use one of the methods to work out  $1\frac{5}{8} - \frac{3}{16}$ 





- Complete the subtractions.
  - a)  $3\frac{1}{4} \frac{5}{24} = 3\frac{1}{24}$
- d)  $7\frac{5}{6} \frac{13}{24} = 7\frac{7}{24}$

- **b)**  $3\frac{3}{16} \frac{1}{8} = 3\frac{1}{16}$
- e)  $4\frac{4}{9} \frac{4}{27} = 4\frac{8}{27}$

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

f)  $6\frac{11}{12} - \frac{3}{4} = \frac{1}{6}$ 

A jug contains  $1\frac{3}{5}$  litres of orange juice.





How much orange juice is left in the jug?

litres of orange juice left in the jug. There are

Find three different ways to complete the calculation.



$$3\frac{\boxed{3}}{5} - \frac{\boxed{11}}{20} = 3\frac{1}{20}$$

$$3\frac{2}{5} - \frac{7}{20} = 3\frac{1}{20}$$

Are there any other ways to complete this calculation?



Three children take part in throwing competitions.

Here is the table of results.

	Javelin	Shot Put	Discus
Dexter	15 <del>1</del> m	7 5 m	12 gm
Amir	$13\frac{3}{8}$ m	8 ¼ m	12 <del>7</del> m
Annie	14 ½ m	9 m	11 <del>5</del> m

Use the clues to complete the table.

- Annie's javelin throw is  $\frac{11}{12}$  m less than Dexter's.
- Amir's shot put throw is  $\frac{3}{4}$  m less than Annie's.
- Dexter's discus throw is  $\frac{1}{2}$  m less than Amir's

