Subtract mixed numbers



Complete the subtractions.



Use bar models to help you.

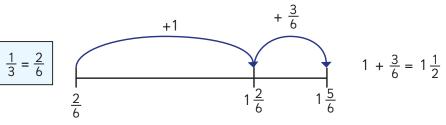
a)
$$\frac{15}{8} - \frac{1}{2} =$$

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

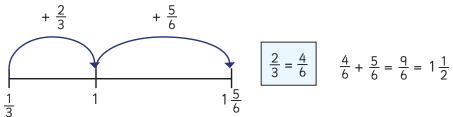
c)
$$1\frac{1}{2} - \frac{3}{8} =$$

2 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 $1\frac{5}{8} - \frac{3}{16}$



3 Complete the subtractions.

a)
$$3\frac{1}{4} - \frac{5}{24} =$$

d)
$$7\frac{5}{6} - \frac{13}{24} =$$

b)
$$3\frac{3}{16} - \frac{1}{8} =$$

e)
$$4\frac{4}{9} - \frac{4}{27} =$$

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

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

A jug contains $1\frac{3}{5}$ litres of orange juice. Eva pours $\frac{4}{15}$ litres into a glass. How much orange juice is left in the jug?



5 Find three different ways to complete the calculation.

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

Are there any other ways to complete this calculation?



Subtract mixed numbers



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

d) $7\frac{5}{6} - \frac{13}{24} =$

b) $3\frac{3}{16} - \frac{1}{8} =$

e) $4\frac{4}{9} - \frac{4}{27} =$

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

- $f) \quad 6\frac{11}{12} \frac{3}{4} =$
- A jug contains $1\frac{3}{5}$ litres of orange juice. Eva pours $\frac{4}{15}$ litres into a glass. How much orange juice is left in the jug?



Find three different ways to complete the calculation.

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

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 ¹ / ₄ m	7 <u>5</u> m	
Amir	13 ³ / ₈ m		12 7 8 m
Annie		9 m	11 ⁵ / ₁₂ 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.