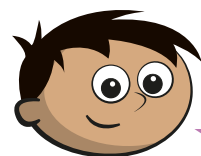


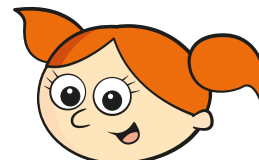
Subtract two mixed numbers

- 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?

Explain your answer.

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

What do you notice about your answer to part d)?

- 3 Car A travels $15\frac{1}{4}$ miles.
Car B travels $21\frac{5}{12}$ miles.

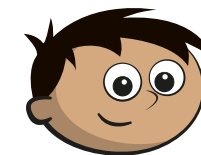


How much further does Car B travel than Car A?

miles

- 4 Amir and Dora are working out $4\frac{1}{5} - 1\frac{2}{5}$

a)



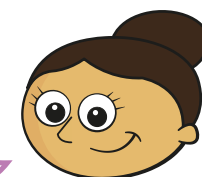
Amir

I am not sure what
to do because you cannot do
 $\frac{1}{5} - \frac{2}{5}$

Do you agree with Amir?

b)

I know that $4\frac{1}{5} = 3\frac{6}{5}$



Dora

How does this help you to work out the subtraction?

- c) Complete the subtraction.

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

5 Complete the subtractions.

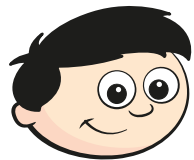
a) $4\frac{4}{5} - 2\frac{9}{10} =$

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

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

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

6 Dexter is subtracting fractions.



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

Explain the mistake that Dexter has made.

7 Here are some number cards.

$3\frac{1}{12}$

$4\frac{1}{2}$

$2\frac{5}{24}$

$4\frac{5}{6}$

a) Which two numbers have the smallest difference?

and

b) Which two numbers have the greatest difference?

and

8 Complete the magic square.

The total of each column is $5\frac{7}{20}$

The total of each row is $5\frac{7}{20}$

$1\frac{1}{2}$	$1\frac{3}{5}$	
	$1\frac{7}{20}$	$1\frac{7}{10}$

9 A marathon is $26\frac{1}{5}$ miles.

Jack has run $18\frac{1}{10}$ miles.

Eva has run $19\frac{3}{5}$ miles.

a) How much further has Eva run than Jack?

miles

b) How much further does Eva need to run to complete the marathon?

miles