a)
$a : b = 4 : 5$ and $b : c = 2 : 3$
Write $a : c$ in its simplest form.

What can we say about the ratios $a : b$ and $b : c$?	They share a common variable, b. This is the same value.
Can we re-write the ratios to represent this?	$a : b = 4 : 5 = 8 : 10$ $b : c = 2 : 3 = 10 : 15$
Can we combine these ratios?	$a : b : c = 8 : 10 : 15$
What is the ratio $a : c$ in its simplest form?	$8 : 15$

b)
$a : b = 8 : 3$ and $b : c = 4 : 5$
Write $a : c$ in its simplest form.

What can we say about the ratios $a : b$ and $b : c$?	They share a common variable, b. This is the same value.
Can we re-write the ratios to represent this?	$a : b = 8 : 3 = 32 : 12$ $b : c = 4 : 5 = 12 : 15$
Can we combine these ratios?	
What is the ratio $a : c$ in its simplest form?	

c)
$a : b = 2 : 5$ and $b : c = 3 : 8$
Write $a : c$ in its simplest form.

What can we say about the ratios $a : b$ and $b : c$?	They share a common variable, b. This is the same value.
Can we re-write the ratios to represent this?	$a : b = 2 : 5 = \ldots : \ldots$ $b : c = 3 : 8 = \ldots : \ldots$
Can we combine these ratios?	
What is the ratio $a : c$ in its simplest form?	

d)
$a : b = 3 : 4$ and $b : c = 5 : 2$
Write $a : c$ in its simplest form.

BACKWARD FADED MATHS