

TASK A

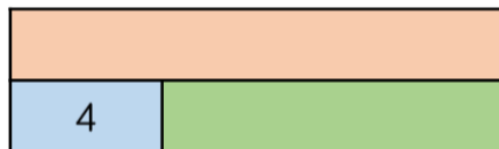
Look at the bar model below.

Can you write all of the number sentences in the fact family?

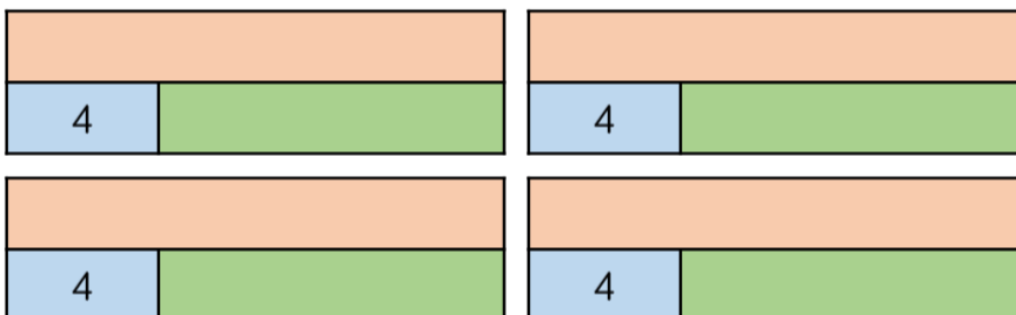


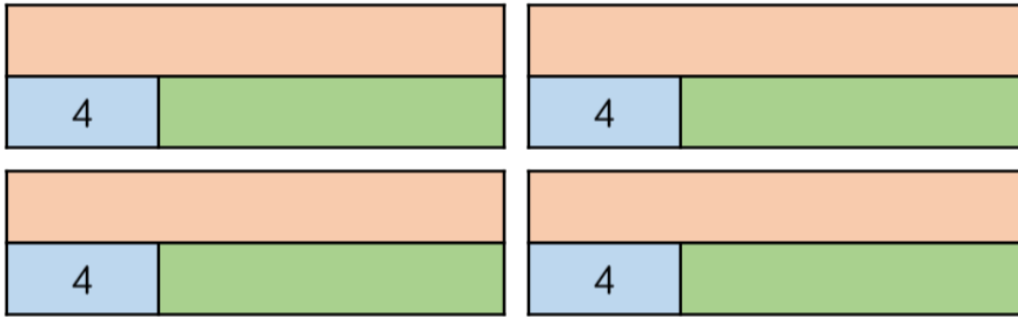
TASK B

Here is an incomplete bar model.
The total is greater than 10 but less than 20
What could the missing numbers be?
How many different combinations can you find?



There are another 8 possibilities to find.





TASK C

$$8 - 5 = 3$$

$$8 - 3 = 5$$

$$8 = 5 - 3$$

$$3 = 8 - 5$$

Rosie says,

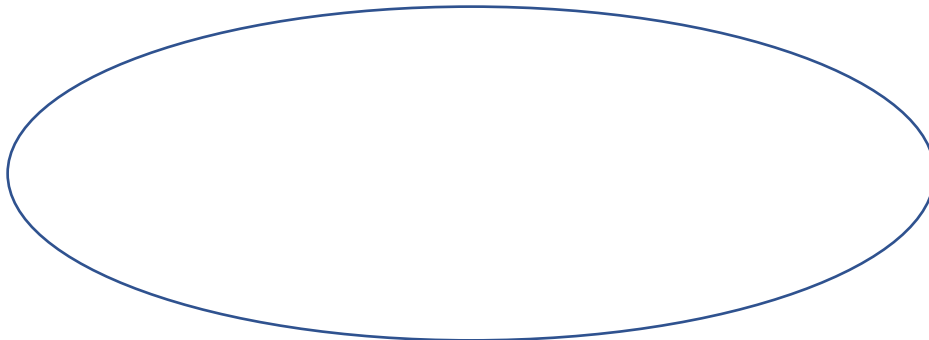


I think that all of these facts are correct because the numbers are related

Ron disagrees.

Who is correct? Can you prove it?

After you have talked about your ideas, jot down your thoughts here:



TASK D

Eva did the following calculation:

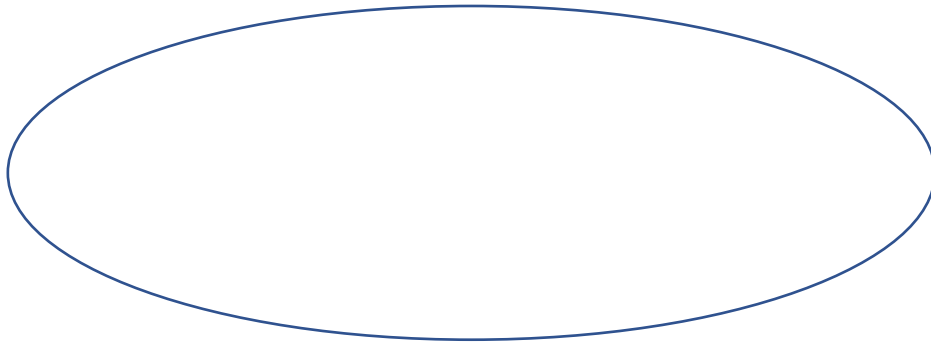
$$12 - 8 = 4$$

She checked it by using the inverse.

She did $12 + 8 = 20$ and said that her first calculation was wrong.

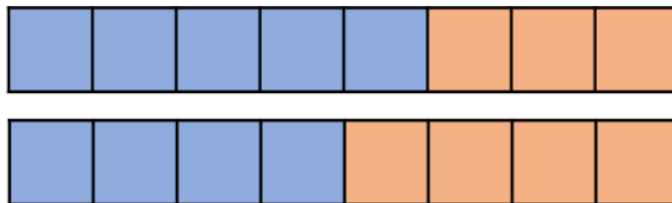
What advice would you give her?

After you have talked about your ideas, jot down your advice here.



TASK E

How can we use the following representation to prove that $5 + 3 = 4 + 4$?



After you have talked about your ideas, jot them down here.

