Understand and use fact families, numerically and algebraically

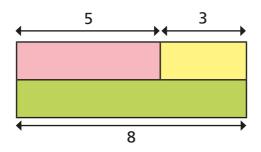


The

The bar model shows these facts:

$$5 + 3 = 8$$

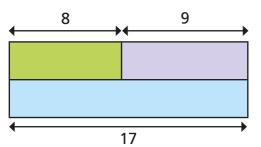
$$8 - 3 = 5$$



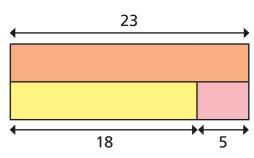
What other facts does it show?

Write the fact families for these bar models.

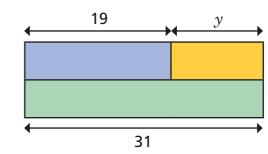
a)



b)



Annie is writing the fact family for this bar model.



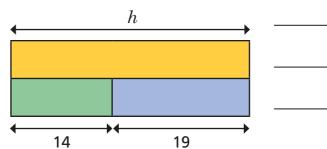
She writes y = 19 + 31

a) Explain why Annie is incorrect.

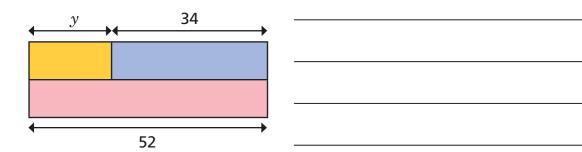
b) Write the fact family for this bar model.

Write the fact family for each bar model.

a)

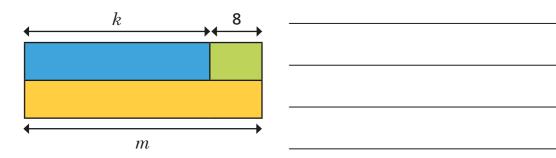


b)

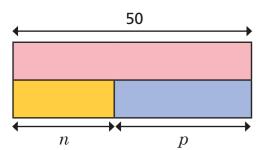


Write two addition facts and two subtraction facts for each bar model.

a)



b)



Use the bar models to complete the facts.

a)

b)	30						
	y	у	у	у	у	y	

30 =	×	
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c)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
	p									

Draw a bar model to represent each fact.

a)

c)

$$k = 23 \times 4$$

$$\frac{108}{6} = w$$

What other related facts can you see from your bar models?



