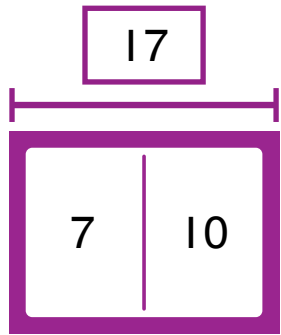


# Homework & Practice 4-4

## Fact Families

**Another Look!** You can use models to make a fact family.

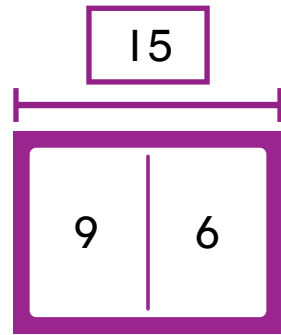


$$7 + 10 = 17$$

$$10 + 7 = 17$$

$$17 - 10 = 7$$

$$17 - 7 = 10$$



$$\begin{array}{r} 9 \\ + \\ \hline \end{array} + \begin{array}{r} 6 \\ + \\ \hline \end{array} = \begin{array}{r} 15 \\ + \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + \\ \hline \end{array} + \begin{array}{r} 9 \\ + \\ \hline \end{array} = \begin{array}{r} 15 \\ + \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ - \\ \hline \end{array} - \begin{array}{r} 6 \\ - \\ \hline \end{array} = \begin{array}{r} 9 \\ - \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ - \\ \hline \end{array} - \begin{array}{r} 9 \\ - \\ \hline \end{array} = \begin{array}{r} 6 \\ - \\ \hline \end{array}$$

Fact families use the same numbers.

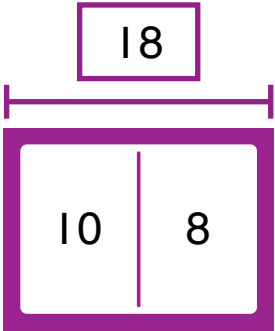


**HOME ACTIVITY** Write an addition problem, such as  $9 + 4 = ?$ . Have your child find the sum and write the related addition fact. ( $4 + 9 = 13$ ) Then ask your child to write the 2 related subtraction equations to complete the fact family. ( $13 - 9 = 4$  and  $13 - 4 = 9$ ) Continue with several other fact families.



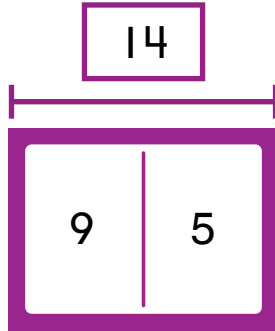
Write the fact family for each model.

1.



_____	+	_____	=	_____
_____	+	_____	=	_____
_____	-	_____	=	_____
_____	-	_____	=	_____

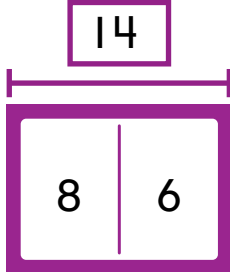
2.



_____	+	_____	=	_____
_____	+	_____	=	_____
_____	-	_____	=	_____
_____	-	_____	=	_____

Write the fact family for each model.

3.  \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_  
 \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_  
 \_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_  
 \_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_

4.  \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_  
 \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_  
 \_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_  
 \_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_

5. **Higher Order Thinking** Circle the 3 numbers that make up a fact family. Write the fact family.

5    7    8    4    13

\_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_  
 \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_  
 \_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_  
 \_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_

6. **Assessment** Write a fact family to match the picture.



How does the solution to one problem help you solve another problem?



\_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_  
 \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_  
 \_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_