

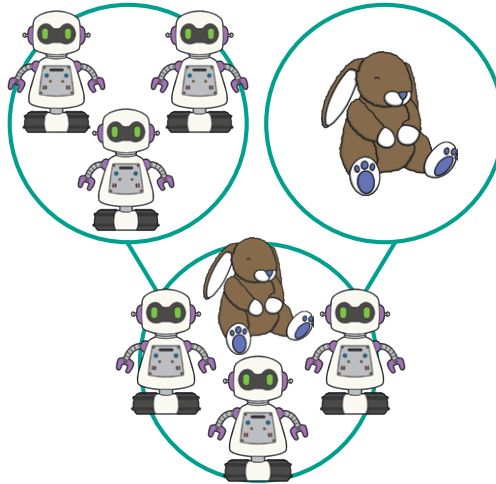
Fact Families

To make fact families using 8 calculations.



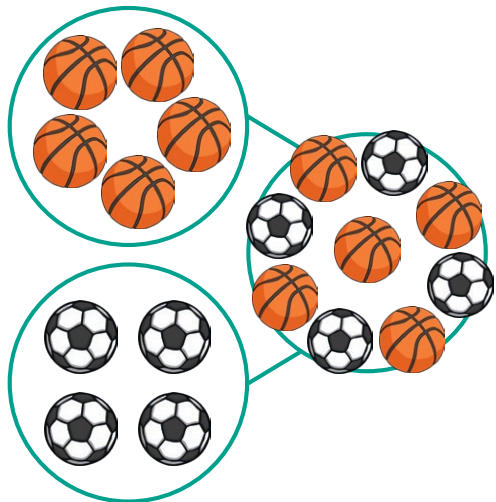
Complete the fact families for the part-whole models.

	+		=	4
	+		=	4
4	-		=	
4	-		=	



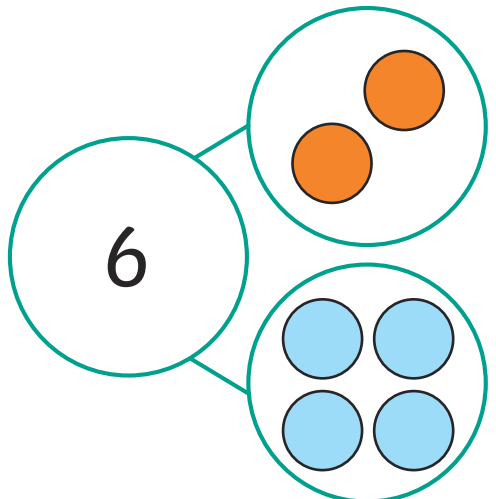
4	=		+	
4	=		+	
	=	4	-	
	=	4	-	

	+		=	
	+		=	
	-		=	
	-		=	



9	=		+	
9	=		+	
	=	9	-	
	=	9	-	

	+		=	
	+		=	
	-		=	
	-		=	



	=		+	
	=		+	
	=		-	
	=		-	

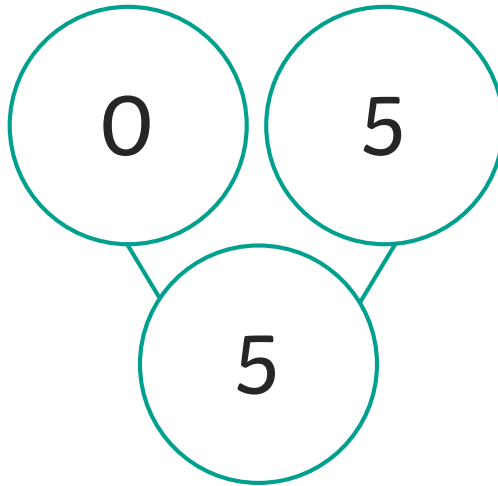
Fact Families

To make fact families using 8 calculations.



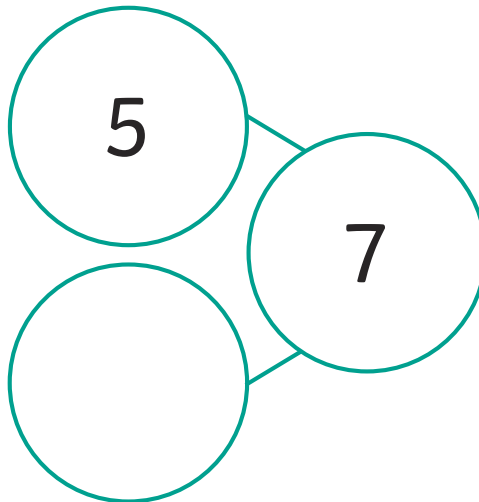
Complete the fact families for the part-whole models.

	+		=	
	+		=	
	-		=	
	-		=	



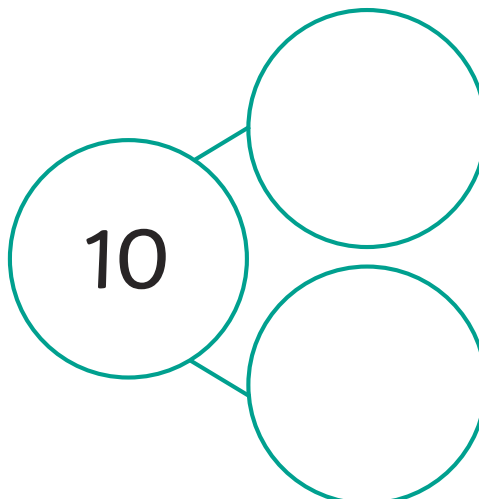
5	=	0	+	5
5	=		+	
	=	5	-	
	=	5	-	

	+		=	
	+		=	
	-		=	
	-		=	



7	=		+	
7	=		+	
	=	7	-	
	=	7	-	

3	+	7	=	10
	+		=	
	-		=	
	-		=	



	=		+	
	=		+	
	=		-	
	=		-	

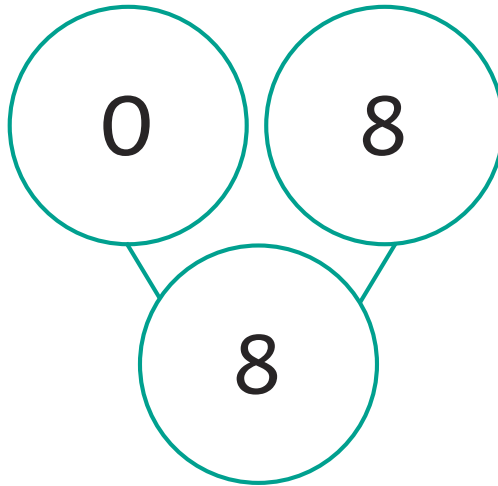
Fact Families

To make fact families using 8 calculations.



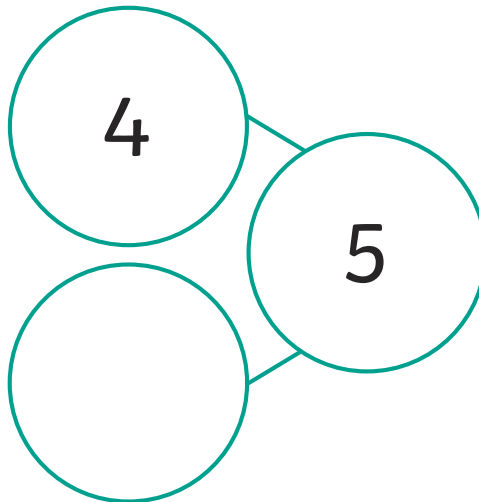
Complete the fact families for the part-whole models.

	+		=	
	+		=	
	-		=	
	-		=	



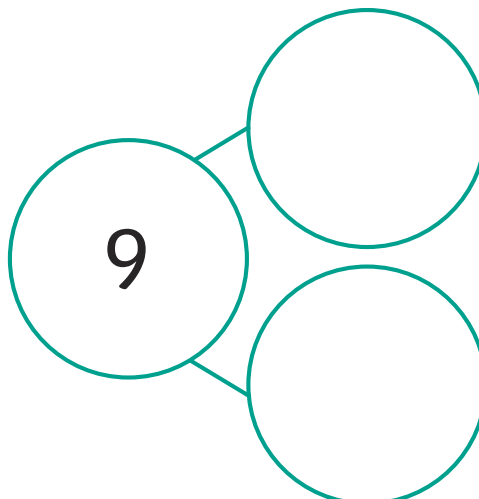
8	=		+	
8	=		+	
	=	8	-	
	=	8	-	

	+	4	=	5
	+		=	
	-		=	
	-		=	



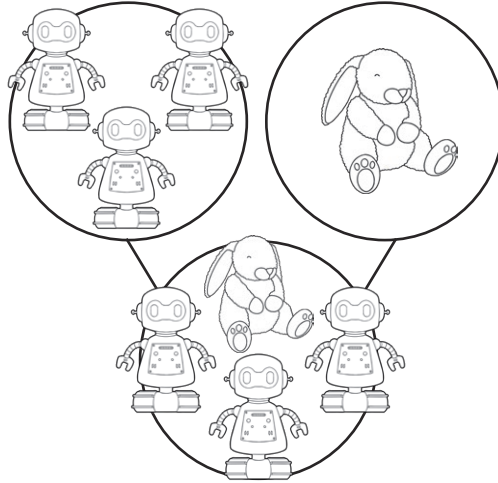
	=		+	
	=		+	
	=		-	
	=		-	

4 + 5 = 9



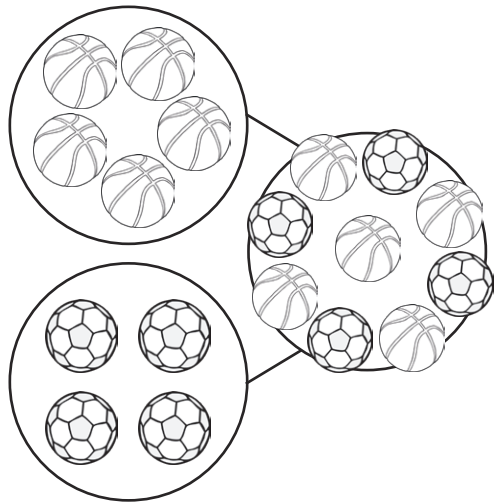
Fact Families Answers

$$\begin{array}{l} 3 + 1 = 4 \\ 1 + 3 = 4 \\ 4 - 3 = 1 \\ 4 - 1 = 3 \end{array}$$



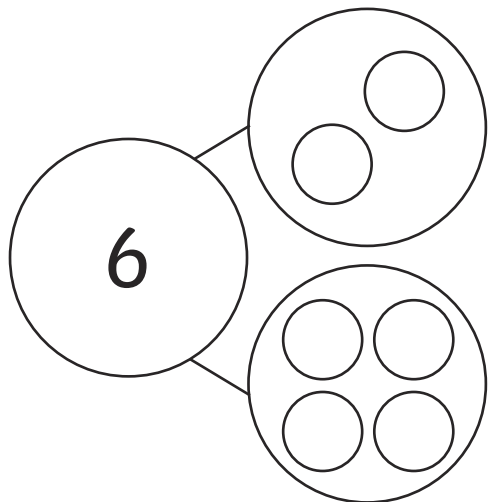
$$\begin{array}{l} 4 = 3 + 1 \\ 4 = 1 + 3 \\ 1 = 4 - 3 \\ 3 = 4 - 1 \end{array}$$

$$\begin{array}{l} 5 + 4 = 9 \\ 4 + 5 = 9 \\ 9 - 5 = 4 \\ 9 - 4 = 5 \end{array}$$



$$\begin{array}{l} 9 = 5 + 4 \\ 9 = 4 + 5 \\ 4 = 9 - 5 \\ 5 = 9 - 4 \end{array}$$

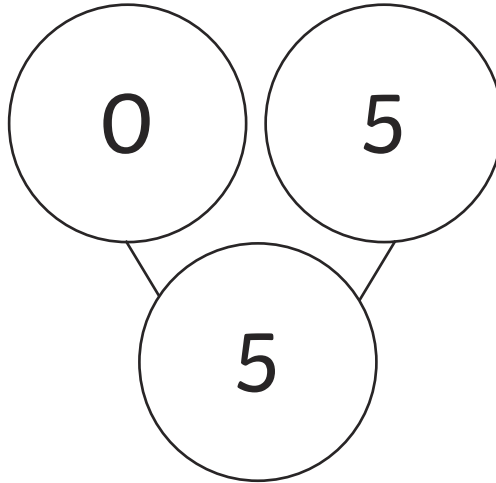
$$\begin{array}{l} 2 + 4 = 6 \\ 4 + 2 = 6 \\ 6 - 2 = 4 \\ 6 - 4 = 2 \end{array}$$



$$\begin{array}{l} 6 = 2 + 4 \\ 6 = 4 + 2 \\ 4 = 6 - 2 \\ 2 = 6 - 4 \end{array}$$

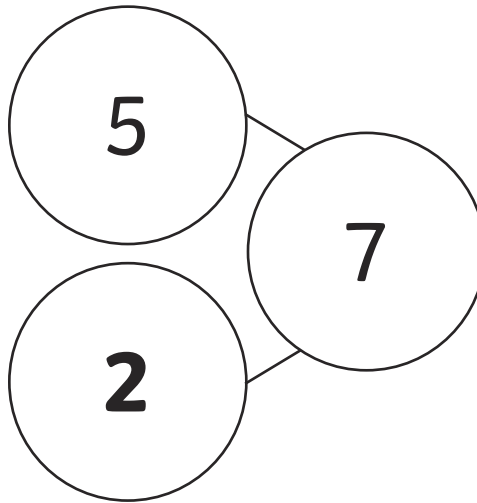
Fact Families **Answers**

$$\begin{array}{l} 0 + 5 = 5 \\ 5 + 0 = 5 \\ 5 - 0 = 5 \\ 5 - 5 = 0 \end{array}$$



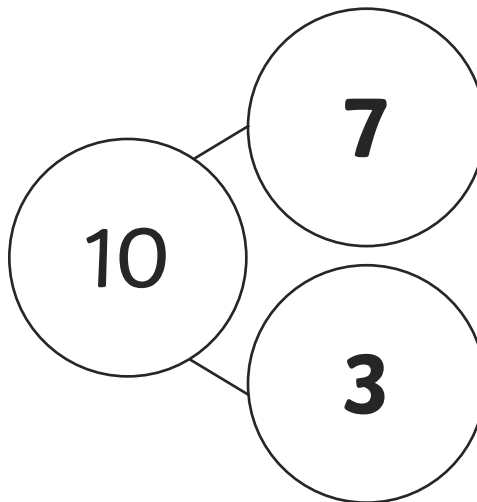
$$\begin{array}{l} 5 = 0 + 5 \\ 5 = 5 + 0 \\ 5 = 5 - 0 \\ 0 = 5 - 5 \end{array}$$

$$\begin{array}{l} 5 + 2 = 7 \\ 2 + 5 = 7 \\ 7 - 2 = 5 \\ 7 - 5 = 2 \end{array}$$



$$\begin{array}{l} 7 = 5 + 2 \\ 7 = 2 + 5 \\ 5 = 7 - 2 \\ 2 = 7 - 5 \end{array}$$

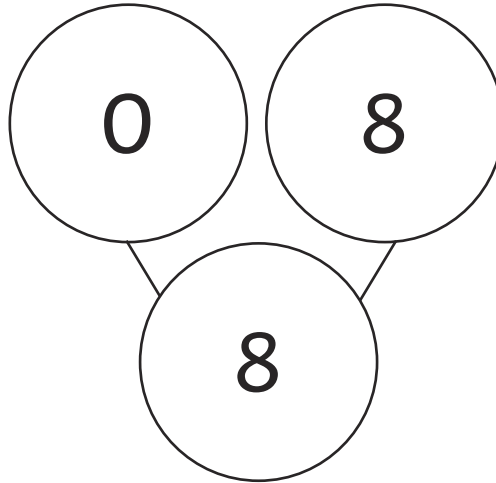
$$\begin{array}{l} 3 + 7 = 10 \\ 7 + 3 = 10 \\ 10 - 3 = 7 \\ 10 - 7 = 3 \end{array}$$



$$\begin{array}{l} 10 = 3 + 7 \\ 10 = 7 + 3 \\ 7 = 10 - 3 \\ 3 = 10 - 7 \end{array}$$

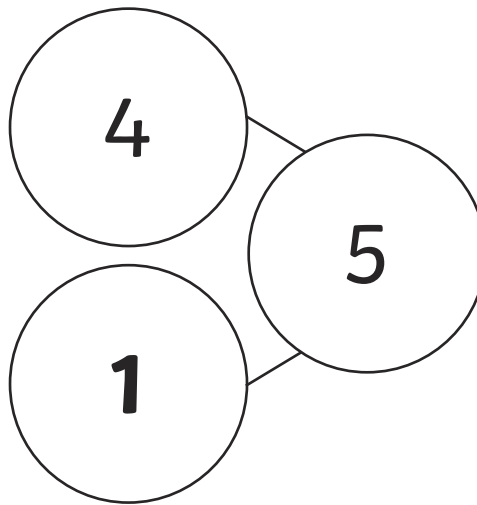
Fact Families **Answers**

$$\begin{array}{rcl} 0 & + & 8 = 8 \\ 8 & + & 0 = 8 \\ 8 & - & 0 = 8 \\ 8 & - & 8 = 0 \end{array}$$



$$\begin{array}{rcl} 8 & = & 0 + 8 \\ 8 & = & 8 + 0 \\ 8 & = & 8 - 0 \\ 0 & = & 8 - 8 \end{array}$$

$$\begin{array}{rcl} 1 & + & 4 = 5 \\ 4 & + & 1 = 5 \\ 5 & - & 1 = 4 \\ 5 & - & 4 = 1 \end{array}$$



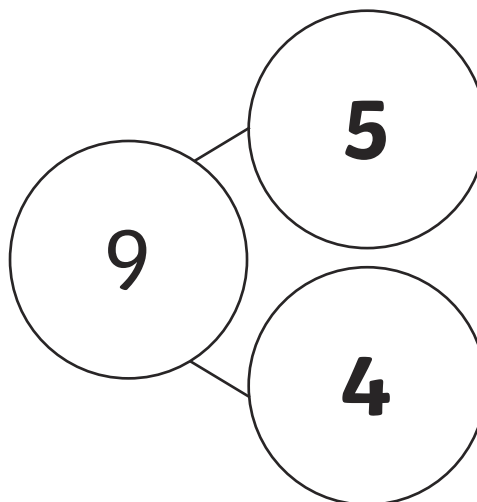
$$\begin{array}{rcl} 5 & = & 1 + 4 \\ 5 & = & 4 + 1 \\ 4 & = & 5 - 1 \\ 1 & = & 5 - 4 \end{array}$$

$$4 + 5 = 9$$

$$5 + 4 = 9$$

$$9 - 5 = 4$$

$$9 - 4 = 5$$



$$9 = 4 + 5$$

$$9 = 5 + 4$$

$$4 = 9 - 5$$

$$5 = 9 - 4$$