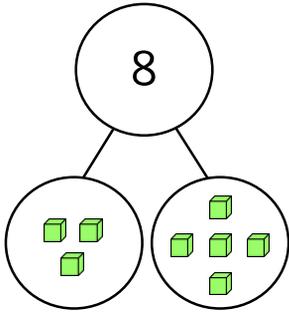


# Related facts – Part whole models



1 Use the part-whole diagrams to complete the related facts.

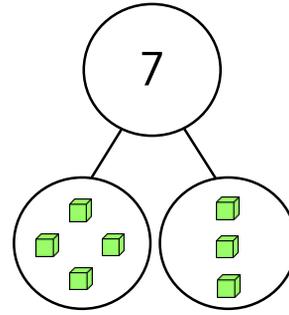


$$\underline{\quad\quad} + \underline{\quad\quad} = 8$$

$$\underline{\quad\quad} + \underline{\quad\quad} = 8$$

$$8 - \underline{\quad\quad} = \underline{\quad\quad}$$

$$8 - \underline{\quad\quad} = \underline{\quad\quad}$$

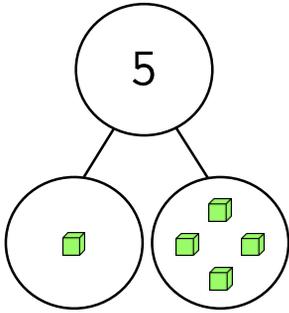


$$\underline{\quad\quad} + \underline{\quad\quad} = 7$$

$$\underline{\quad\quad} + \underline{\quad\quad} = 7$$

$$7 - \underline{\quad\quad} = \underline{\quad\quad}$$

$$7 - \underline{\quad\quad} = \underline{\quad\quad}$$

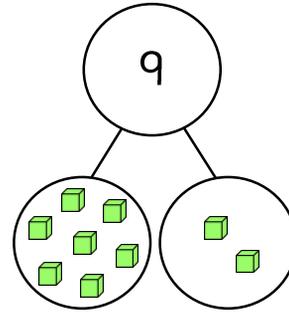


$$\underline{\quad\quad} + \underline{\quad\quad} = 5$$

$$\underline{\quad\quad} + \underline{\quad\quad} = 5$$

$$5 - \underline{\quad\quad} = \underline{\quad\quad}$$

$$5 - \underline{\quad\quad} = \underline{\quad\quad}$$

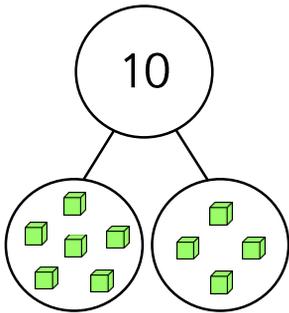


$$\underline{\quad\quad} + \underline{\quad\quad} = 9$$

$$\underline{\quad\quad} + \underline{\quad\quad} = 9$$

$$9 - \underline{\quad\quad} = \underline{\quad\quad}$$

$$9 - \underline{\quad\quad} = \underline{\quad\quad}$$

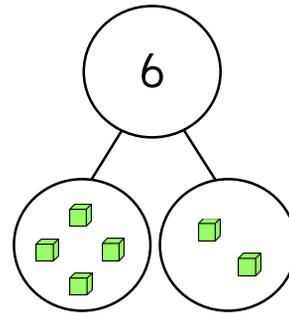


$$\underline{\quad\quad} + \underline{\quad\quad} = 10$$

$$\underline{\quad\quad} + \underline{\quad\quad} = 10$$

$$10 - \underline{\quad\quad} = \underline{\quad\quad}$$

$$10 - \underline{\quad\quad} = \underline{\quad\quad}$$



$$\underline{\quad\quad} + \underline{\quad\quad} = 6$$

$$\underline{\quad\quad} + \underline{\quad\quad} = 6$$

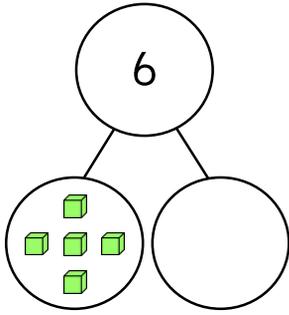
$$6 - \underline{\quad\quad} = \underline{\quad\quad}$$

$$6 - \underline{\quad\quad} = \underline{\quad\quad}$$

# Related facts – Part whole models



1 Complete the part-whole diagrams to help you complete the related facts.

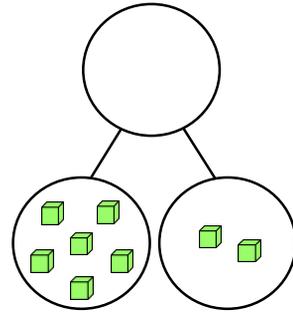


$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

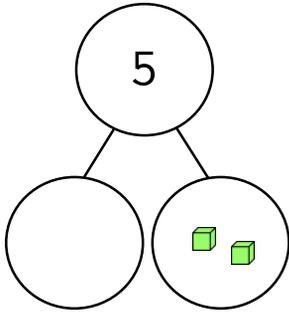


$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

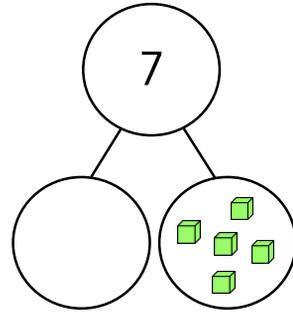


$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

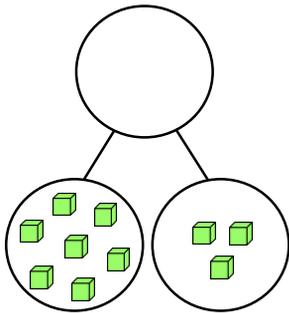


$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

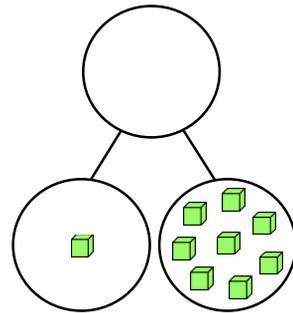


$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$



$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

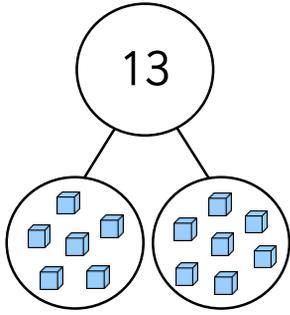
$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

# Related facts – Part whole models



1 Use the part-whole diagrams to complete the related facts.

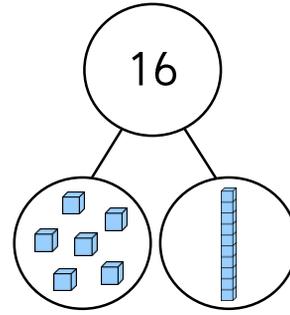


$$\underline{\quad\quad} + \underline{\quad\quad} = 13$$

$$\underline{\quad\quad} + \underline{\quad\quad} = 13$$

$$13 - \underline{\quad\quad} = \underline{\quad\quad}$$

$$13 - \underline{\quad\quad} = \underline{\quad\quad}$$

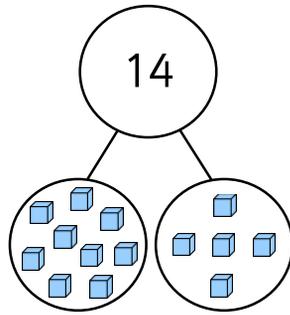


$$\underline{\quad\quad} + \underline{\quad\quad} = 16$$

$$\underline{\quad\quad} + \underline{\quad\quad} = 16$$

$$16 - \underline{\quad\quad} = \underline{\quad\quad}$$

$$16 - \underline{\quad\quad} = \underline{\quad\quad}$$

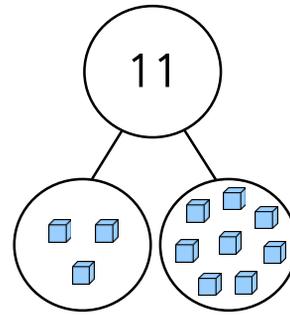


$$\underline{\quad\quad} + \underline{\quad\quad} = 14$$

$$\underline{\quad\quad} + \underline{\quad\quad} = 14$$

$$14 - \underline{\quad\quad} = \underline{\quad\quad}$$

$$14 - \underline{\quad\quad} = \underline{\quad\quad}$$

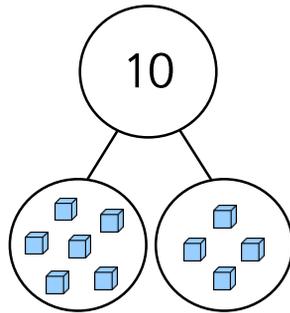


$$\underline{\quad\quad} + \underline{\quad\quad} = 11$$

$$\underline{\quad\quad} + \underline{\quad\quad} = 11$$

$$11 - \underline{\quad\quad} = \underline{\quad\quad}$$

$$11 - \underline{\quad\quad} = \underline{\quad\quad}$$

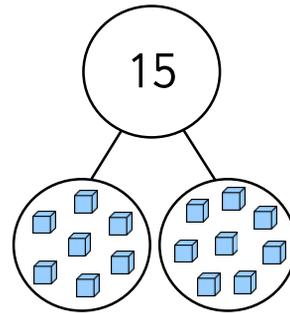


$$\underline{\quad\quad} + \underline{\quad\quad} = 10$$

$$\underline{\quad\quad} + \underline{\quad\quad} = 10$$

$$10 - \underline{\quad\quad} = \underline{\quad\quad}$$

$$10 - \underline{\quad\quad} = \underline{\quad\quad}$$



$$\underline{\quad\quad} + \underline{\quad\quad} = 15$$

$$\underline{\quad\quad} + \underline{\quad\quad} = 15$$

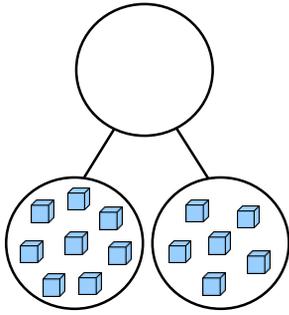
$$15 - \underline{\quad\quad} = \underline{\quad\quad}$$

$$15 - \underline{\quad\quad} = \underline{\quad\quad}$$

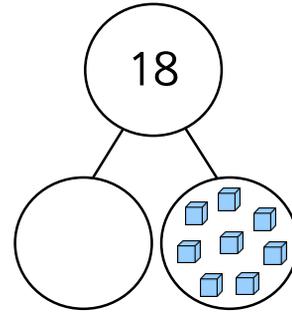
# Related facts – Part whole models



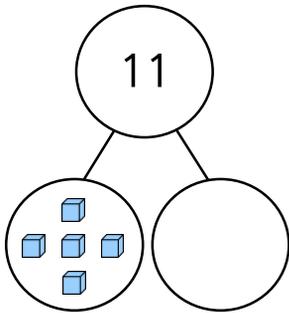
1 Complete the part-whole diagrams to help you complete the related facts.



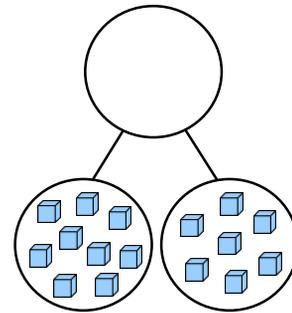
$$\begin{aligned} \underline{\quad} + \underline{\quad} &= \underline{\quad} \\ \underline{\quad} + \underline{\quad} &= \underline{\quad} \\ \underline{\quad} - \underline{\quad} &= \underline{\quad} \\ \underline{\quad} - \underline{\quad} &= \underline{\quad} \end{aligned}$$



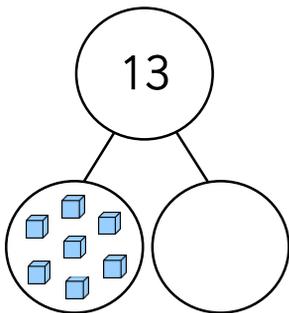
$$\begin{aligned} \underline{\quad} + \underline{\quad} &= \underline{\quad} \\ \underline{\quad} + \underline{\quad} &= \underline{\quad} \\ \underline{\quad} - \underline{\quad} &= \underline{\quad} \\ \underline{\quad} - \underline{\quad} &= \underline{\quad} \end{aligned}$$



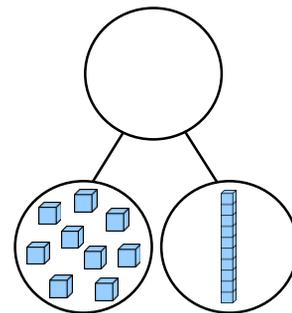
$$\begin{aligned} \underline{\quad} + \underline{\quad} &= \underline{\quad} \\ \underline{\quad} + \underline{\quad} &= \underline{\quad} \\ \underline{\quad} - \underline{\quad} &= \underline{\quad} \\ \underline{\quad} - \underline{\quad} &= \underline{\quad} \end{aligned}$$



$$\begin{aligned} \underline{\quad} + \underline{\quad} &= \underline{\quad} \\ \underline{\quad} + \underline{\quad} &= \underline{\quad} \\ \underline{\quad} - \underline{\quad} &= \underline{\quad} \\ \underline{\quad} - \underline{\quad} &= \underline{\quad} \end{aligned}$$



$$\begin{aligned} \underline{\quad} + \underline{\quad} &= \underline{\quad} \\ \underline{\quad} + \underline{\quad} &= \underline{\quad} \\ \underline{\quad} - \underline{\quad} &= \underline{\quad} \\ \underline{\quad} - \underline{\quad} &= \underline{\quad} \end{aligned}$$

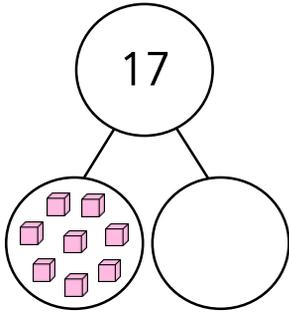


$$\begin{aligned} \underline{\quad} + \underline{\quad} &= \underline{\quad} \\ \underline{\quad} + \underline{\quad} &= \underline{\quad} \\ \underline{\quad} - \underline{\quad} &= \underline{\quad} \\ \underline{\quad} - \underline{\quad} &= \underline{\quad} \end{aligned}$$

# Related facts – Part whole models



1 Complete the part-whole diagrams to help you complete the related facts.

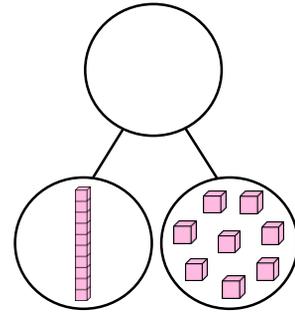


$$\underline{\quad\quad} + \underline{\quad\quad} = 17$$

$$\underline{\quad\quad} + \underline{\quad\quad} = 17$$

$$17 - \underline{\quad\quad} = \underline{\quad\quad}$$

$$17 - \underline{\quad\quad} = \underline{\quad\quad}$$

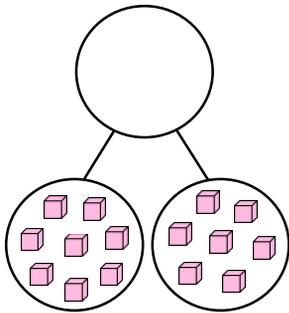


$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$

$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$

$$\underline{\quad\quad} - \underline{\quad\quad} = \underline{\quad\quad}$$

$$\underline{\quad\quad} - \underline{\quad\quad} = \underline{\quad\quad}$$

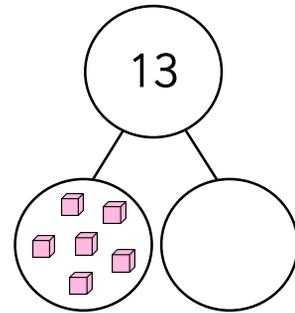


$$\underline{\quad\quad} + \underline{\quad\quad} = 15$$

$$\underline{\quad\quad} + \underline{\quad\quad} = 15$$

$$15 - \underline{\quad\quad} = \underline{\quad\quad}$$

$$15 - \underline{\quad\quad} = \underline{\quad\quad}$$

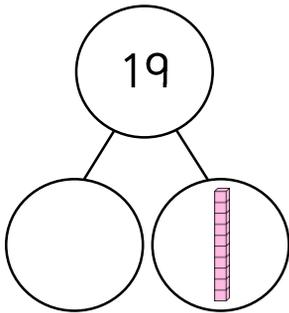


$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$

$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$

$$\underline{\quad\quad} - \underline{\quad\quad} = \underline{\quad\quad}$$

$$\underline{\quad\quad} - \underline{\quad\quad} = \underline{\quad\quad}$$

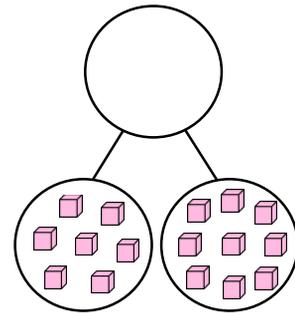


$$\underline{\quad\quad} + \underline{\quad\quad} = 19$$

$$\underline{\quad\quad} + \underline{\quad\quad} = 19$$

$$19 - \underline{\quad\quad} = \underline{\quad\quad}$$

$$19 - \underline{\quad\quad} = \underline{\quad\quad}$$



$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$

$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$

$$\underline{\quad\quad} - \underline{\quad\quad} = \underline{\quad\quad}$$

$$\underline{\quad\quad} - \underline{\quad\quad} = \underline{\quad\quad}$$

# Answers

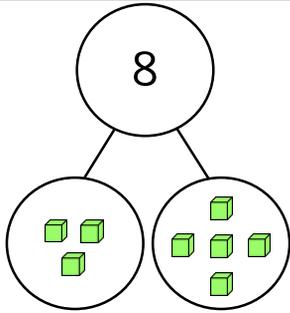
To avoid wasting paper & ink,  
please do not print this page.



# Related facts – Part whole models



1 Use the part-whole diagrams to complete the related facts.

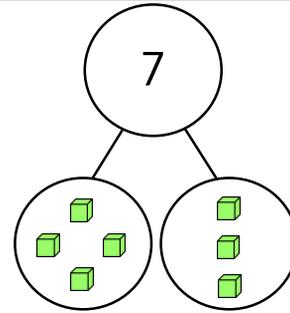


$$\underline{3} + \underline{5} = 8$$

$$\underline{5} + \underline{3} = 8$$

$$8 - \underline{3} = \underline{5}$$

$$8 - \underline{5} = \underline{3}$$

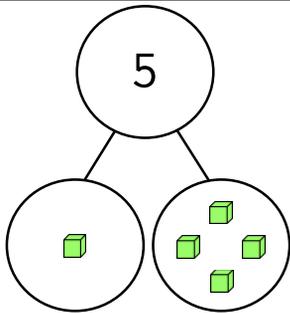


$$\underline{4} + \underline{3} = 7$$

$$\underline{3} + \underline{4} = 7$$

$$7 - \underline{4} = \underline{3}$$

$$7 - \underline{3} = \underline{4}$$

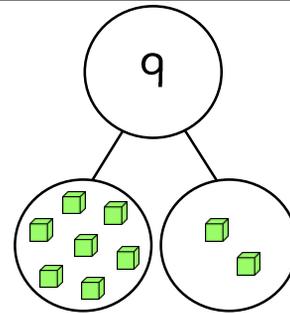


$$\underline{1} + \underline{4} = 5$$

$$\underline{4} + \underline{1} = 5$$

$$5 - \underline{1} = \underline{4}$$

$$5 - \underline{4} = \underline{1}$$

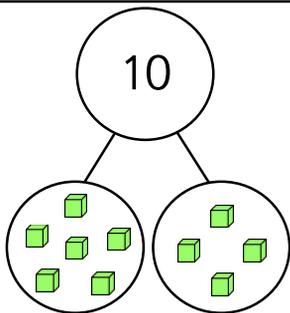


$$\underline{7} + \underline{2} = 9$$

$$\underline{2} + \underline{7} = 9$$

$$9 - \underline{7} = \underline{2}$$

$$9 - \underline{2} = \underline{7}$$

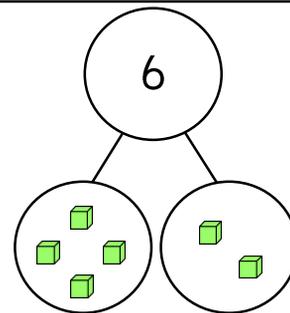


$$\underline{6} + \underline{4} = 10$$

$$\underline{4} + \underline{6} = 10$$

$$10 - \underline{6} = \underline{4}$$

$$10 - \underline{4} = \underline{6}$$



$$\underline{4} + \underline{2} = 6$$

$$\underline{2} + \underline{4} = 6$$

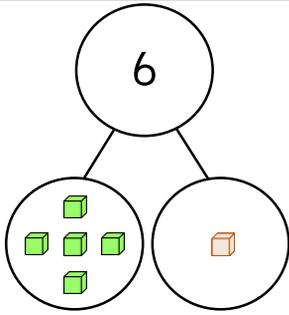
$$6 - \underline{4} = \underline{2}$$

$$6 - \underline{2} = \underline{4}$$

# Related facts – Part whole models



1 Complete the part-whole diagrams to help you complete the related facts.

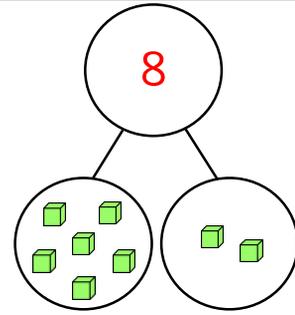


$$\underline{5} + \underline{1} = \underline{6}$$

$$\underline{1} + \underline{5} = \underline{6}$$

$$\underline{6} - \underline{5} = \underline{1}$$

$$\underline{6} - \underline{1} = \underline{5}$$

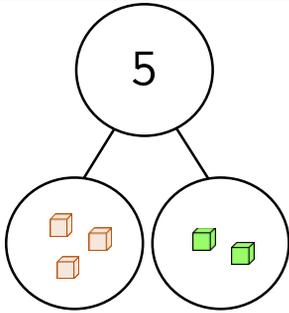


$$\underline{6} + \underline{2} = \underline{8}$$

$$\underline{2} + \underline{6} = \underline{8}$$

$$\underline{8} - \underline{6} = \underline{2}$$

$$\underline{8} - \underline{2} = \underline{6}$$

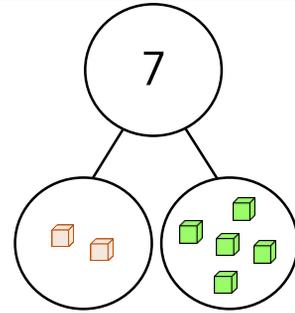


$$\underline{3} + \underline{2} = \underline{5}$$

$$\underline{2} + \underline{3} = \underline{5}$$

$$\underline{5} - \underline{3} = \underline{2}$$

$$\underline{5} - \underline{2} = \underline{3}$$

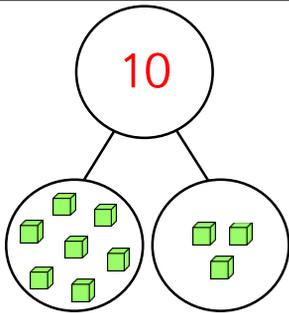


$$\underline{2} + \underline{5} = \underline{7}$$

$$\underline{5} + \underline{2} = \underline{7}$$

$$\underline{7} - \underline{2} = \underline{5}$$

$$\underline{7} - \underline{5} = \underline{2}$$

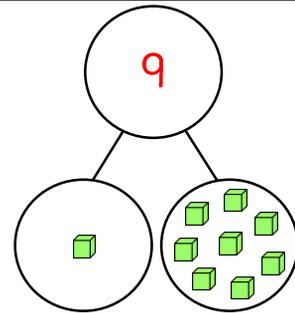


$$\underline{7} + \underline{3} = \underline{10}$$

$$\underline{3} + \underline{7} = \underline{10}$$

$$\underline{10} - \underline{7} = \underline{3}$$

$$\underline{10} - \underline{3} = \underline{7}$$



$$\underline{1} + \underline{8} = \underline{9}$$

$$\underline{8} + \underline{1} = \underline{9}$$

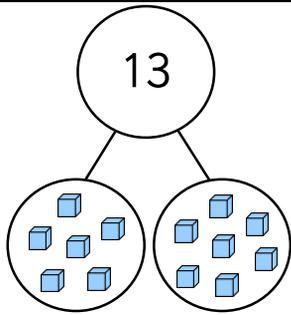
$$\underline{9} - \underline{1} = \underline{8}$$

$$\underline{9} - \underline{8} = \underline{1}$$

# Related facts – Part whole models



1 Use the part-whole diagrams to complete the related facts.

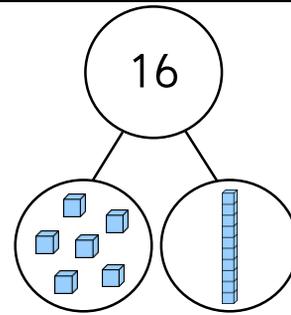


$$\underline{6} + \underline{7} = 13$$

$$\underline{7} + \underline{6} = 13$$

$$13 - \underline{6} = \underline{7}$$

$$13 - \underline{7} = \underline{6}$$

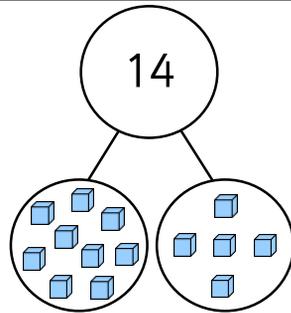


$$\underline{6} + \underline{10} = 16$$

$$\underline{10} + \underline{6} = 16$$

$$16 - \underline{6} = \underline{10}$$

$$16 - \underline{10} = \underline{6}$$

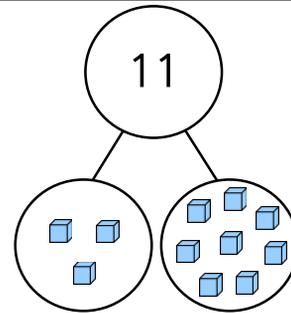


$$\underline{9} + \underline{5} = 14$$

$$\underline{5} + \underline{9} = 14$$

$$14 - \underline{9} = \underline{5}$$

$$14 - \underline{5} = \underline{9}$$

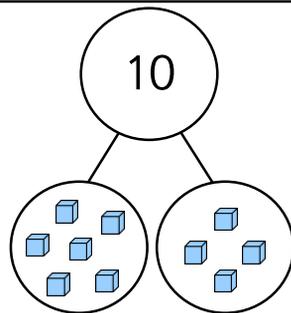


$$\underline{3} + \underline{8} = 11$$

$$\underline{8} + \underline{3} = 11$$

$$11 - \underline{3} = \underline{8}$$

$$11 - \underline{8} = \underline{3}$$

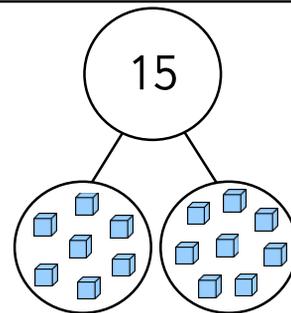


$$\underline{6} + \underline{4} = 10$$

$$\underline{4} + \underline{6} = 10$$

$$10 - \underline{6} = \underline{4}$$

$$10 - \underline{4} = \underline{6}$$



$$\underline{7} + \underline{8} = 15$$

$$\underline{8} + \underline{7} = 15$$

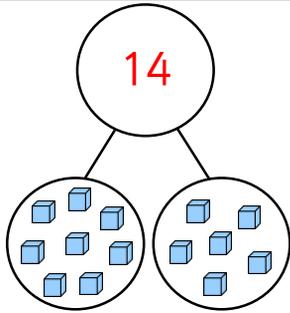
$$15 - \underline{7} = \underline{8}$$

$$15 - \underline{8} = \underline{7}$$

# Related facts – Part whole models



1 Complete the part-whole diagrams to help you complete the related facts.

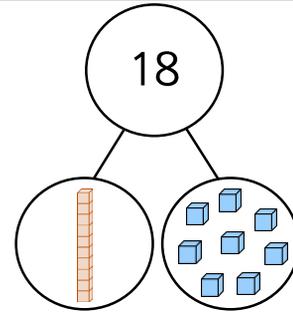


$$\underline{8} + \underline{6} = \underline{14}$$

$$\underline{6} + \underline{8} = \underline{14}$$

$$\underline{14} - \underline{8} = \underline{6}$$

$$\underline{14} - \underline{6} = \underline{8}$$

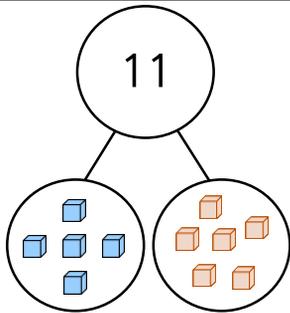


$$\underline{10} + \underline{8} = \underline{18}$$

$$\underline{8} + \underline{10} = \underline{18}$$

$$\underline{18} - \underline{10} = \underline{8}$$

$$\underline{18} - \underline{8} = \underline{10}$$

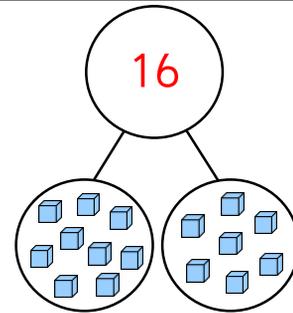


$$\underline{5} + \underline{6} = \underline{11}$$

$$\underline{6} + \underline{5} = \underline{11}$$

$$\underline{11} - \underline{5} = \underline{6}$$

$$\underline{11} - \underline{6} = \underline{5}$$

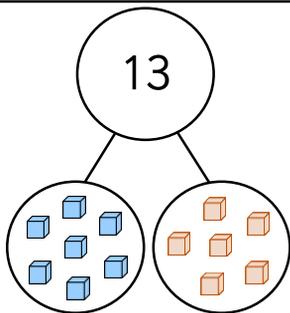


$$\underline{9} + \underline{7} = \underline{16}$$

$$\underline{7} + \underline{9} = \underline{16}$$

$$\underline{16} - \underline{9} = \underline{7}$$

$$\underline{16} - \underline{7} = \underline{9}$$

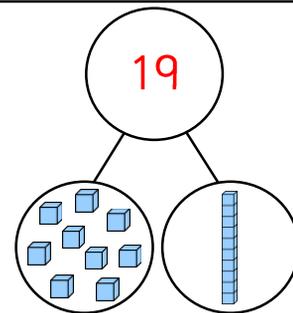


$$\underline{7} + \underline{6} = \underline{13}$$

$$\underline{6} + \underline{7} = \underline{13}$$

$$\underline{13} - \underline{7} = \underline{6}$$

$$\underline{13} - \underline{6} = \underline{7}$$



$$\underline{9} + \underline{10} = \underline{19}$$

$$\underline{10} + \underline{9} = \underline{19}$$

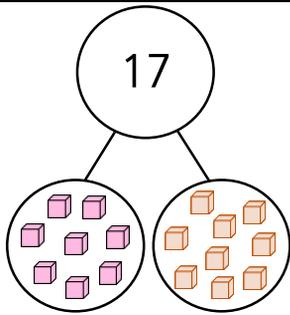
$$\underline{19} - \underline{9} = \underline{10}$$

$$\underline{19} - \underline{10} = \underline{9}$$

# Related facts – Part whole models



1 Complete the part-whole diagrams to help you complete the related facts.

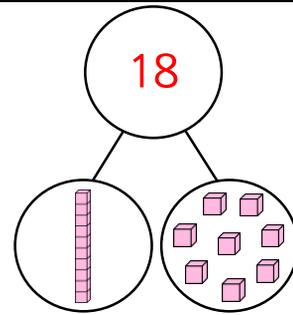


$$\underline{8} + \underline{9} = 17$$

$$\underline{9} + \underline{8} = 17$$

$$17 - \underline{8} = \underline{9}$$

$$17 - \underline{9} = \underline{8}$$

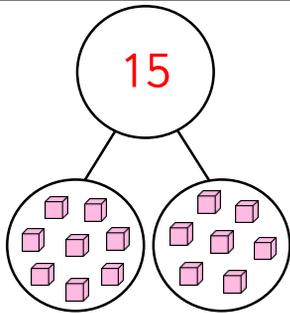


$$\underline{10} + \underline{8} = \underline{18}$$

$$\underline{8} + \underline{10} = \underline{18}$$

$$\underline{18} - \underline{10} = \underline{8}$$

$$\underline{18} - \underline{8} = \underline{10}$$

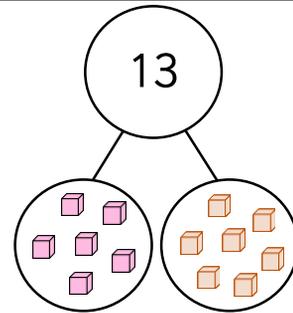


$$\underline{8} + \underline{7} = 15$$

$$\underline{7} + \underline{8} = 15$$

$$15 - \underline{8} = \underline{7}$$

$$15 - \underline{7} = \underline{8}$$

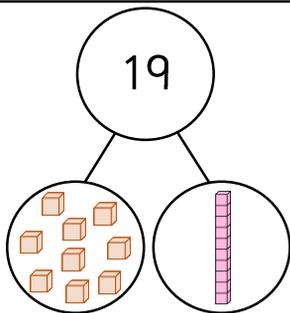


$$\underline{6} + \underline{7} = \underline{13}$$

$$\underline{7} + \underline{6} = \underline{13}$$

$$\underline{13} - \underline{6} = \underline{7}$$

$$\underline{13} - \underline{7} = \underline{6}$$

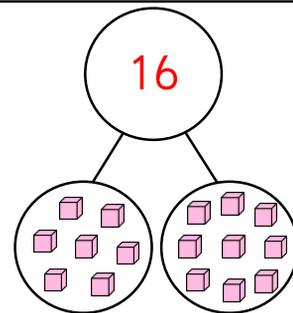


$$\underline{9} + \underline{10} = 19$$

$$\underline{10} + \underline{9} = 19$$

$$19 - \underline{9} = \underline{10}$$

$$19 - \underline{10} = \underline{9}$$



$$\underline{7} + \underline{9} = \underline{16}$$

$$\underline{9} + \underline{7} = \underline{16}$$

$$\underline{16} - \underline{7} = \underline{9}$$

$$\underline{16} - \underline{9} = \underline{7}$$