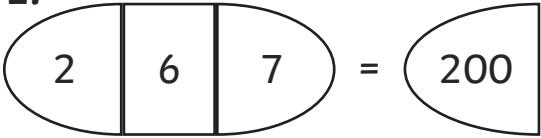
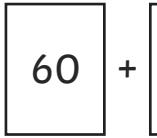
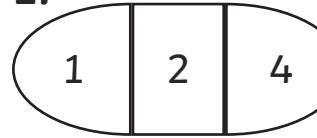
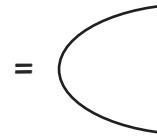
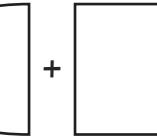
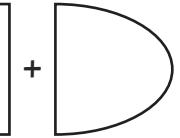
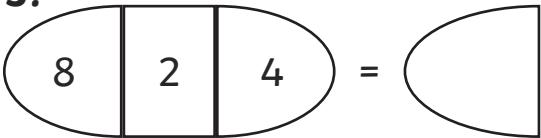
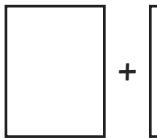
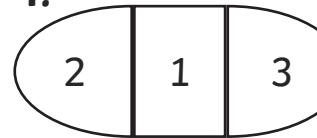
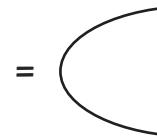
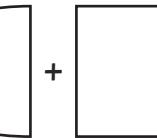
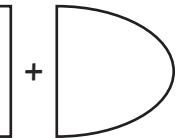


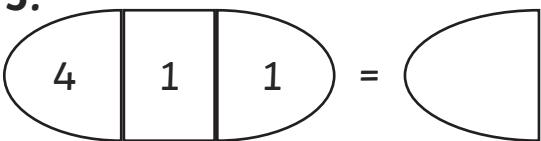
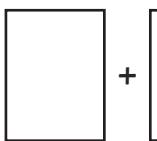
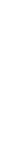
# Number Partitioning

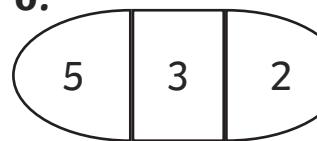
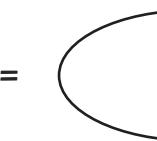
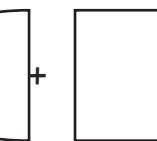
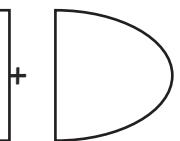
1.  =  +  + 

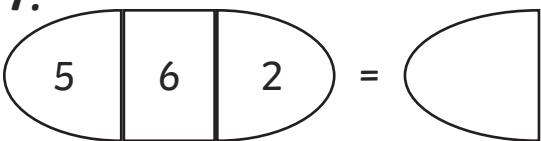
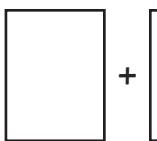
2.  =  +  + 

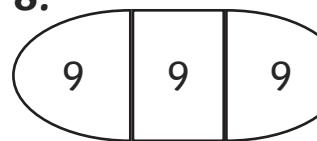
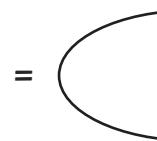
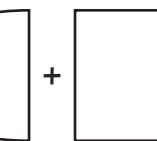
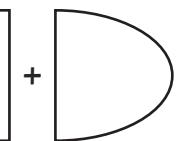
3.  =  +  + 

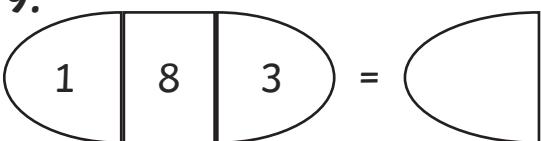
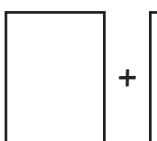
4.  =  +  + 

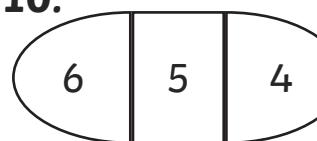
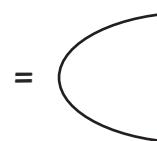
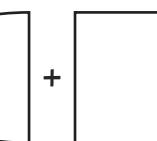
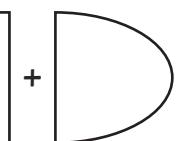
5.  =  +  + 

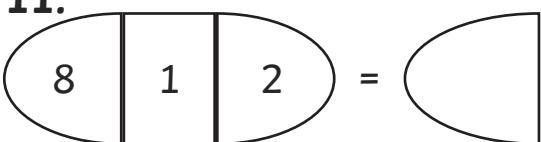
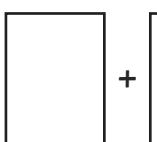
6.  =  +  + 

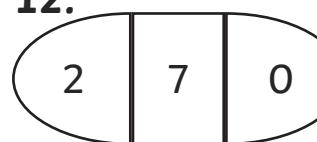
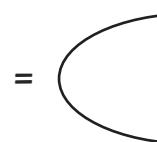
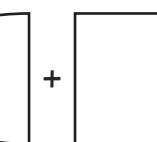
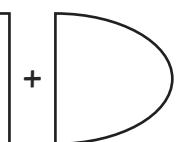
7.  =  +  + 

8.  =  +  + 

9.  =  +  + 

10.  =  +  + 

11.  =  +  + 

12.  =  +  + 

# Number Partitioning

$$1. \quad \begin{array}{|c|c|c|} \hline 5 & 5 & 5 \\ \hline \end{array} = \begin{array}{|c|} \hline 500 \\ \hline \end{array} + \begin{array}{|c|} \hline 50 \\ \hline \end{array} + \begin{array}{|c|} \hline 5 \\ \hline \end{array}$$

$$2. \quad \begin{array}{|c|c|c|} \hline 6 & 3 & 2 \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array}$$

$$3. \quad \begin{array}{|c|c|c|} \hline 2 & 1 & 1 \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array}$$

$$4. \quad \begin{array}{|c|c|c|} \hline 8 & 2 & 3 \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array}$$

$$5. \quad \begin{array}{|c|c|c|} \hline 1 & 2 & 9 \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array}$$

$$6. \quad \begin{array}{|c|c|c|} \hline 5 & 1 & 2 \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array}$$

$$7. \quad \begin{array}{|c|c|c|} \hline 6 & 5 & 5 \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array}$$

$$8. \quad \begin{array}{|c|c|c|} \hline 8 & 4 & 0 \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array}$$

$$9. \quad \begin{array}{|c|c|c|} \hline 1 & 5 & 4 \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array}$$

$$10. \quad \begin{array}{|c|c|c|} \hline 9 & 7 & 4 \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array}$$

$$11. \quad \begin{array}{|c|c|c|} \hline 7 & 7 & 0 \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array}$$

$$12. \quad \begin{array}{|c|c|c|} \hline 8 & 2 & 1 \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array}$$