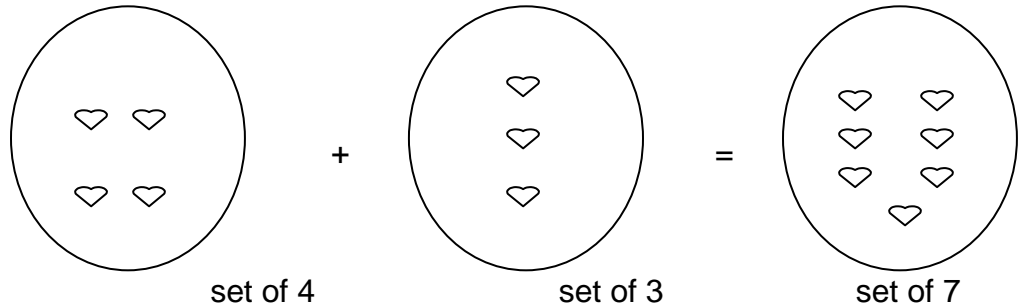
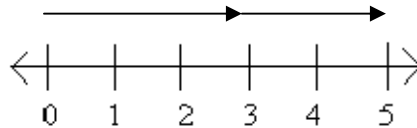


ADDITION & SUBTRACTION MODELS

Set model for addition – given two sets of objects, join them to find the total number of objects. This is a concrete model when used with manipulatives.

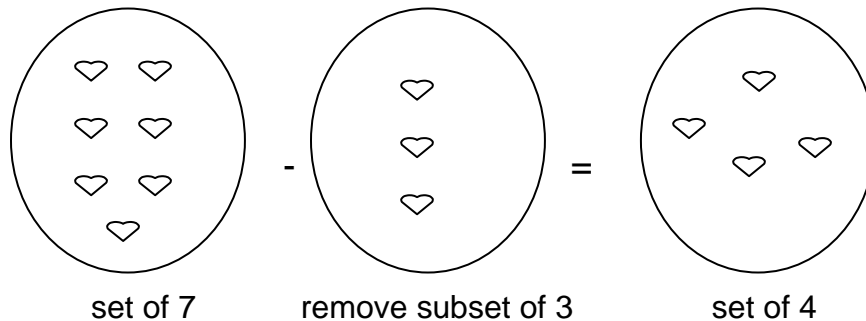


Number line model for addition – given two distances, find the total distance. This model is used on the numberline with arrows.

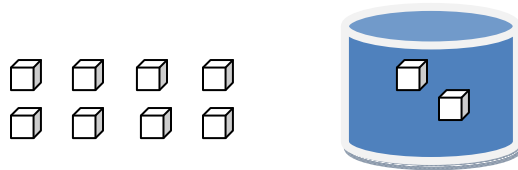


Jump of 3 and then jump of 2 models $3 + 2 = 5$

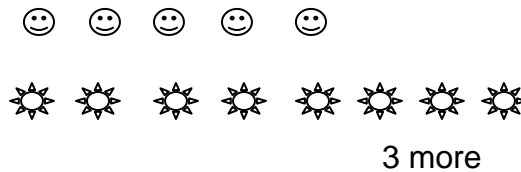
Set model for subtraction – working the addition model backwards, separate the total into the requested part and the leftover part.



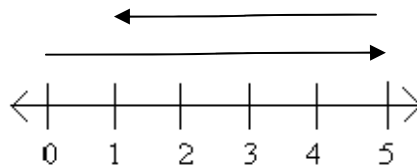
Missing-addend model for subtraction – given a number of objects, how many more are needed to give a certain total? This is often modeled with manipulatives, with the second amount covered by a cloth or box. Children are told there are 10 total, and you can see 8, how many are hidden?



Comparison model for subtraction – start with two sets of objects of different color or object (square and circle markers for instance). Line them up (one-to-one correspondence) and then compare them. How many more objects are in the larger collection?



Number line model for subtraction – given two distances, find the difference between them.



Jump of 5, then jump back 4 to model $5 - 4 = 1$