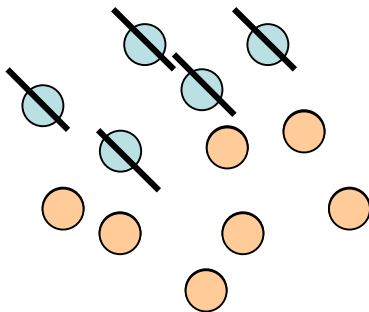


# Subtraction

Slides from the NCETM – PD Lead  
Support Programme 2013. Crown  
Copyright.

# Models for subtraction

## Removing items from a set (reduction or take-away)

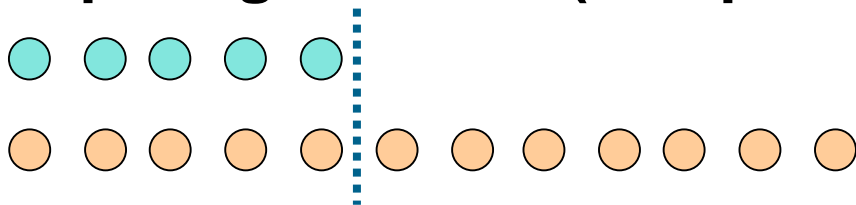


$$12 - 5 = 7$$

**N.B.**

When this is done on a bead bar, there are links with both counting back and difference on a number line

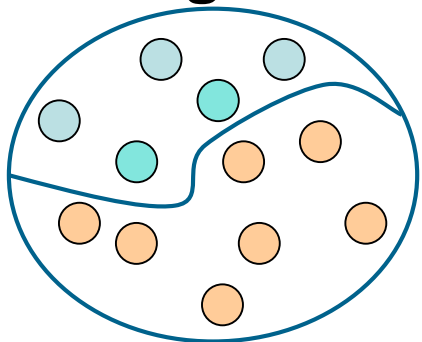
## Comparing two sets (comparison or difference)



**Issue:**

Useful when two numbers are 'close together', where 'take-away' image can be cumbersome

## Seeing one set as partitioned



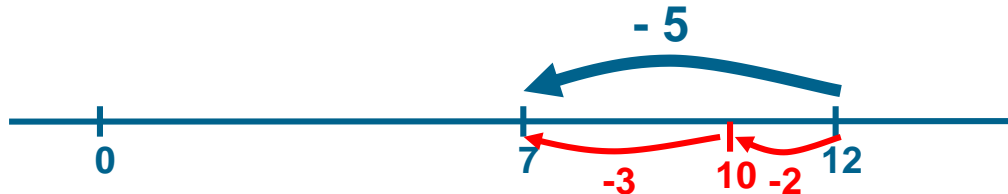
Seeing 12 as  
made up of 5  
and 7

**Issue:**

Helps to see the related calculations;  $5+7=12$ ,  $7+5=12$ ,  $12-7=5$  and  $12-5=7$  as all in the same diagram

# Models for subtraction

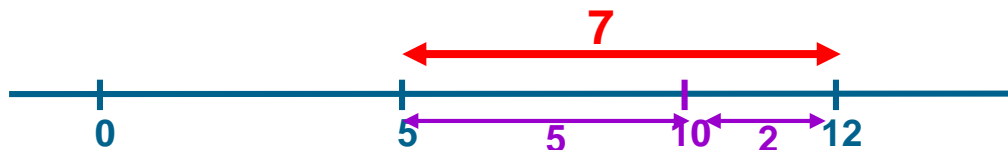
## Counting back on a number line



**Also:**

Knowledge of place value and number bonds can support more efficient calculating

## Finding the difference on a number line



**Issue:**

Useful when two numbers are 'close together', use of number bonds and place value can help.