

16.06.2020

LK: To find missing angles on a straight line

Hello everybody! Miss Dattani here, I hope you are all safe and well.

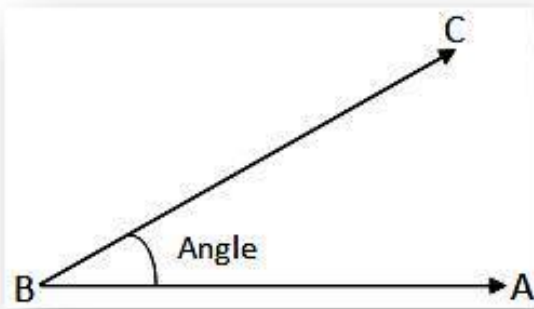
You do not need a printer to complete any tasks, please do your task on pen and paper and email me if you have any questions at [WDV.year5@oasiswoodview.org](mailto:WDV.year5@oasiswoodview.org)

Your task is differentiated two ways:

-Section A is suited for one star (blue and green)

-Section B is suited for two and three star (yellow, orange and red table)

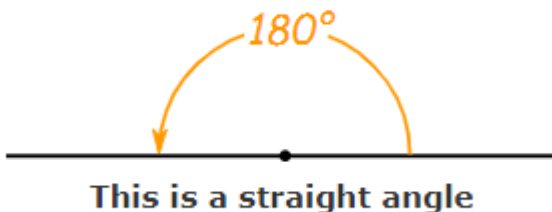
An angle is the amount of space between two lines:



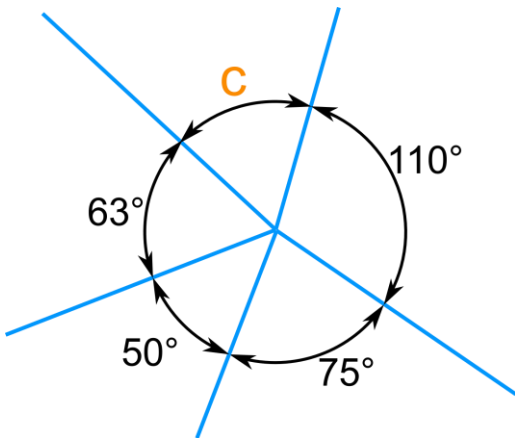
An angle is measured in degrees. 180 degrees would be written as  $180^\circ$

There are some rules about angles:

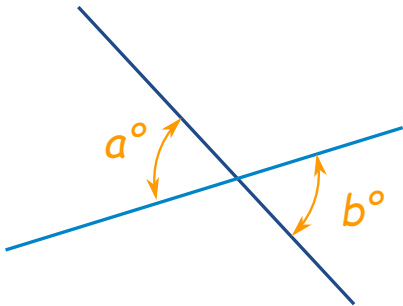
-Angles on a straight line always total  $180^\circ$



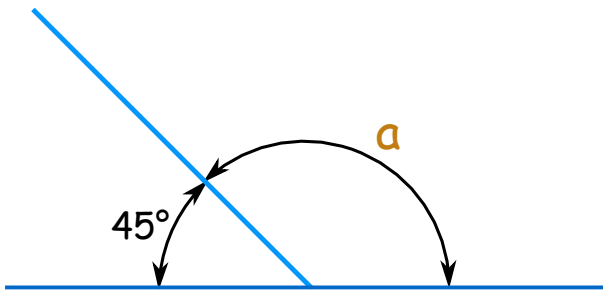
-Angles at a point total  $360^\circ$ , this is a full turn



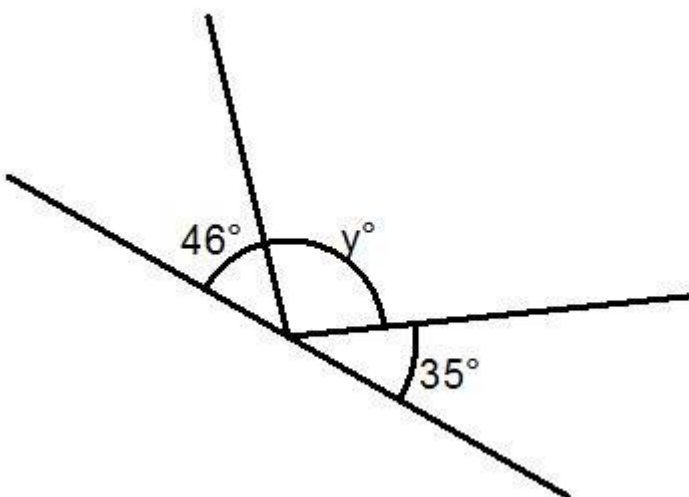
-opposite angles are always the same



Today, we will focus on finding missing angles on a straight line. Below is an example of how to calculate this

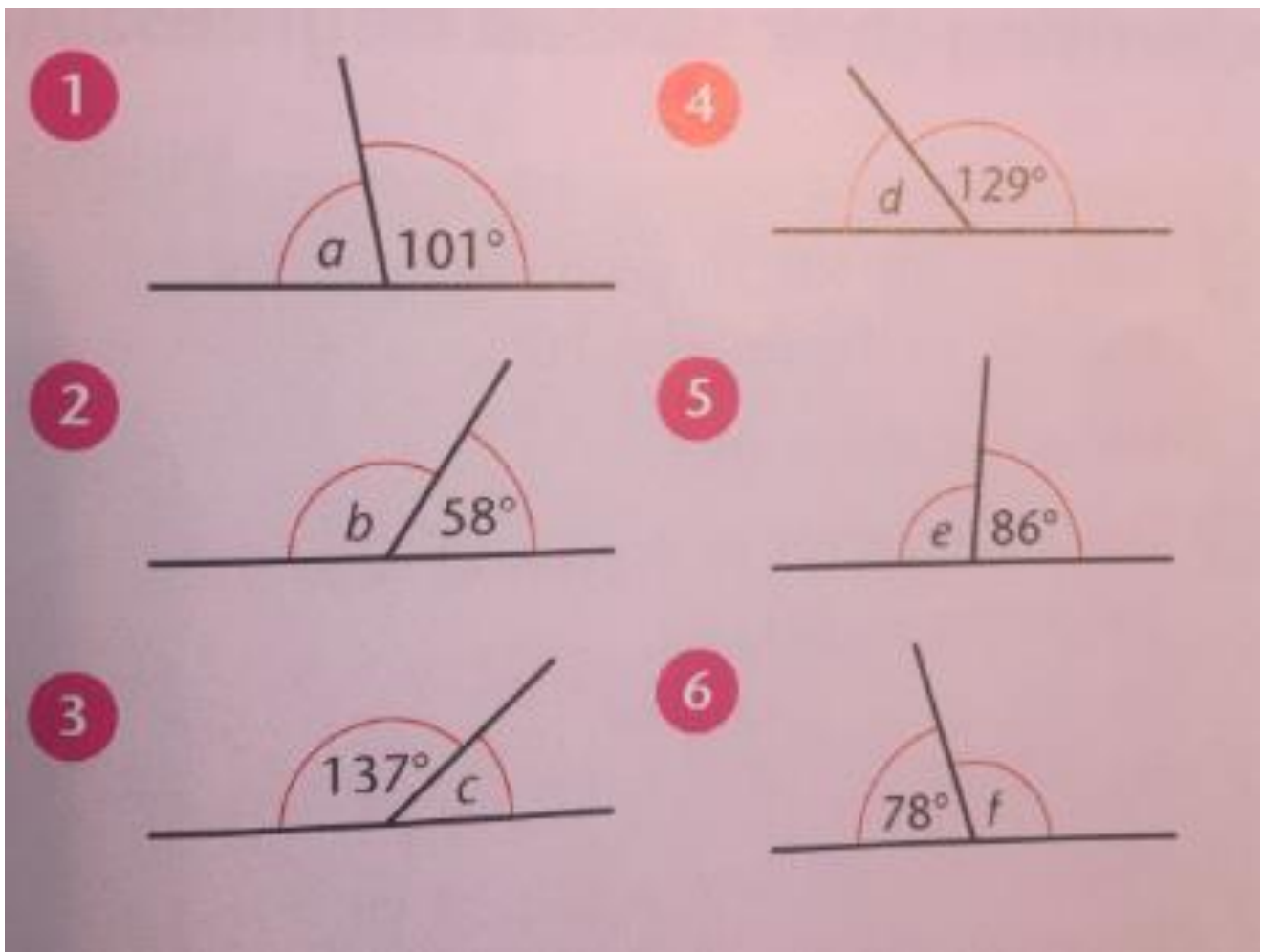


Here I need to calculate the missing angle,  $a$ . I know that angles on a straight line total  $180^\circ$  so if I subtract 45, I will get the remaining amount (angle  $a$ ). Therefore, angle  $a$  is  $135^\circ$



Here I would have to subtract the known angles from 180.  
 $46 + 35 = 81$ .  $180 - 81 = 99$ . So, angle  $y = 99^\circ$

Section A



Section B- complete section A and then try these:

