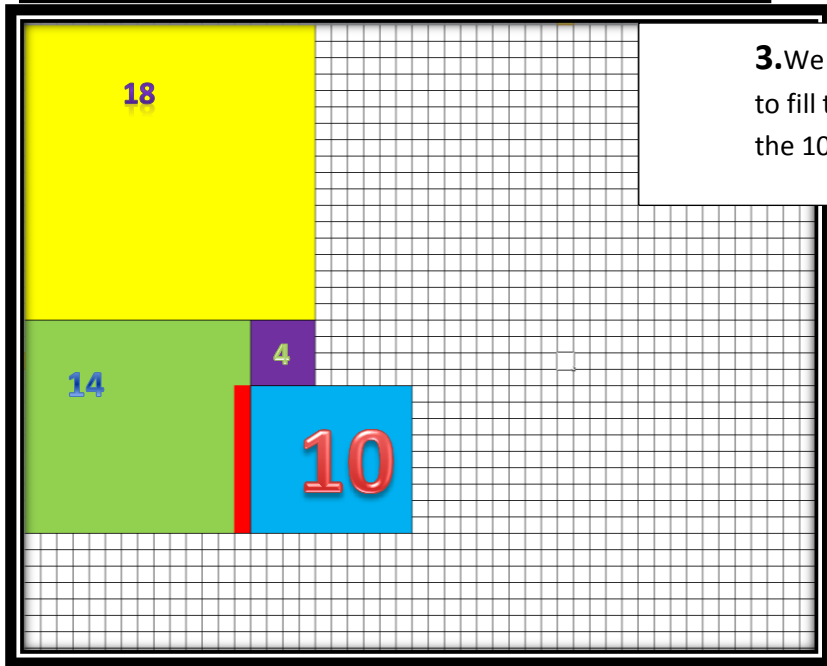
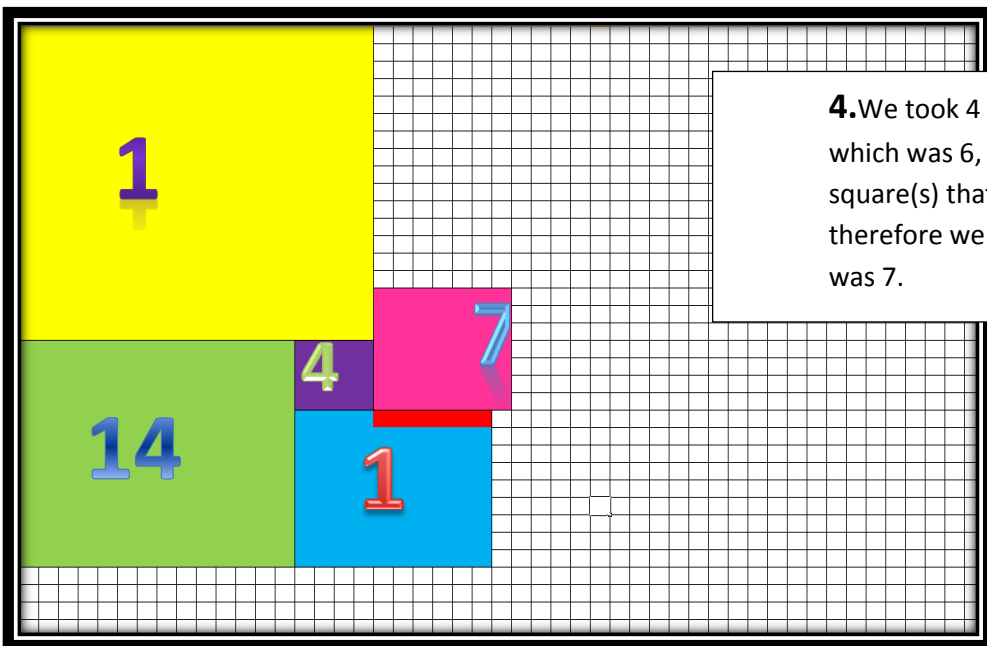


**1.** We started with the biggest square, 18cm by 18cm.

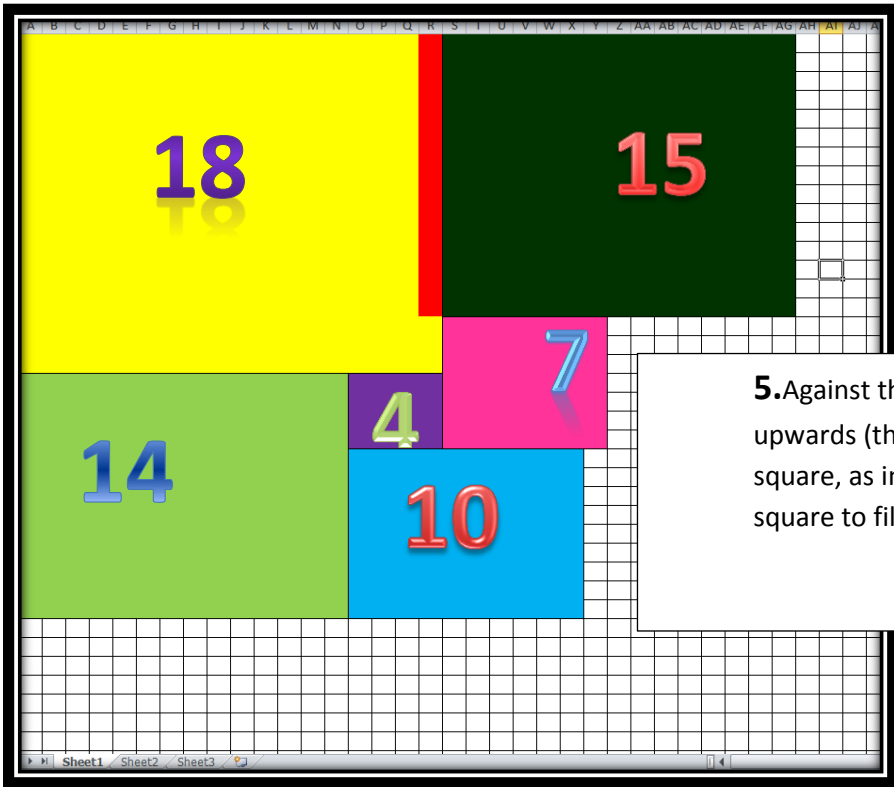
**2.** We found two squares whose sides added to  $18 - 14$  and 4. We used this to fill the gap highlighted by the red line.



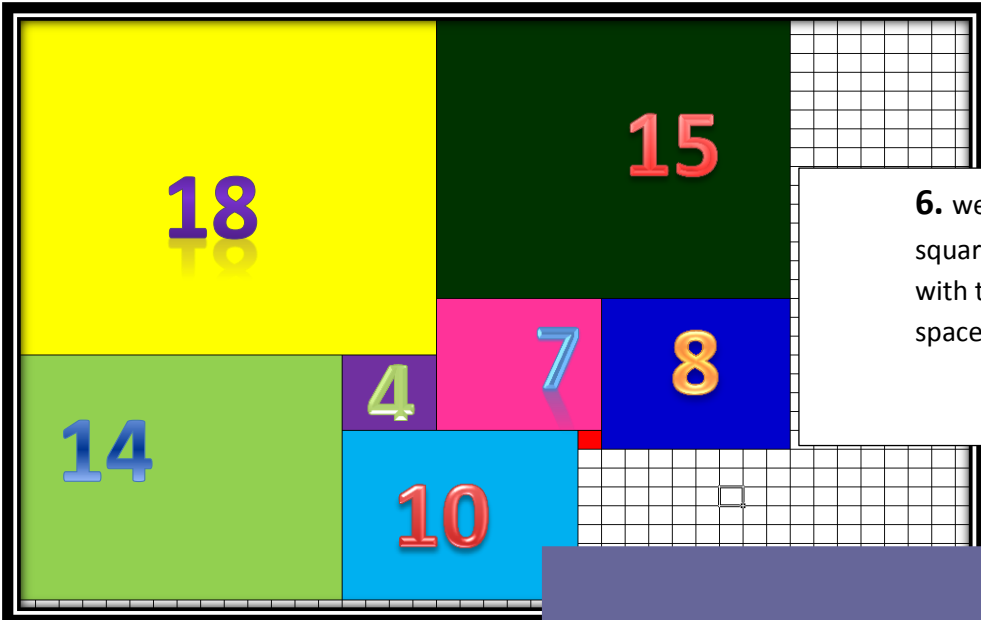
**3.** We then took 4 from 14 to find what we needed to fill the next gap. The answer was 10, so we put the 10 square there.



**4.** We took 4 from 10 to find the next gap, which was 6, however there was no square(s) that was 6 nor that added to 6, therefore we used the closest square, which was 7.



5. Against the 18 square the 7 square took up 3 spaces upwards (the rest of the spaces go against the purple square, as in the picture).  $18-3=15$ , so we put the 15 square to fill the gap.



6. we took 7 from 25 which is 8 so we put the 8 square in the next gap – we filled the next gap with the one square because  $8-7=1$ , the last space was filled with the nine square.

