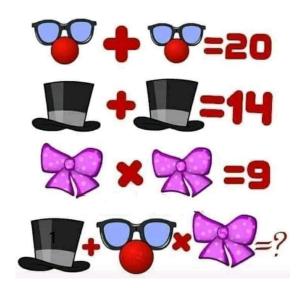
## PUZZLE-1



## PUZZLE-2



## PUZZLE-3

If  $a,b,c,d\in\mathbb{R}$  such that

$$a^{7}+b^{7}+c^{7}+d^{7}=2188$$
  
 $a^{6}+b^{6}+c^{6}+d^{6}=858$   
 $a^{5}+b^{5}+c^{5}+d^{5}=244$   
 $a^{4}+b^{4}+c^{4}+d^{4}=114$ .

Find a+b+c+d