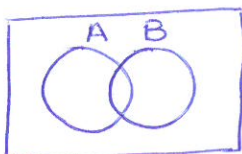


Year 9 Advanced Maths Homework Sheet 7

① 60 people are surveyed  
38 like milk, 24 like  
cream and 8 like both  
show this as a Venn  
diagram.

④ Colour in .

$$A \cup B$$

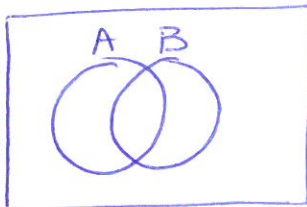


⑦ If  $Pr(A) = 0.6$   
 $Pr(B) = 0.2$  and  
 $Pr(A \cap B) = 0.1$   
find  $Pr(A \cup B)$

② 31 people are surveyed.  
13 like fish only, 7  
like birds only and  
5 like neither.  
show this as a Venn  
diagram.

⑤ Colour in

$$A \cap B'$$

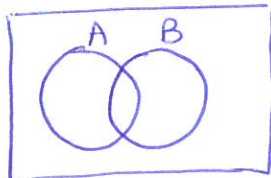


⑧ If  $Pr(A) = 0.5$   
 $Pr(B) = 0.4$  and  
 $Pr(A \cup B) = 0.6$   
find  $Pr(A \cap B)$

③ 51 people are surveyed  
28 like Bulldogs  
23 like cats and  
6 like neither.  
show this as a Venn  
diagram.

⑥ Colour in

$$A' \cap B'$$



⑨ If  $Pr(A) = 0.8$   
 $Pr(B) = 0.3$  and  
 $Pr(A \cup B) = 0.9$   
find  
a)  $Pr(A' \cap B)$   
b)  $Pr(A \cap B')$   
c)  $Pr(A' \cap B')$