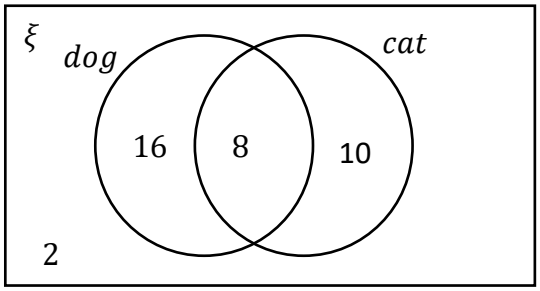
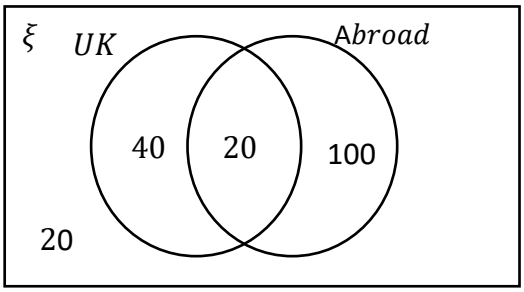
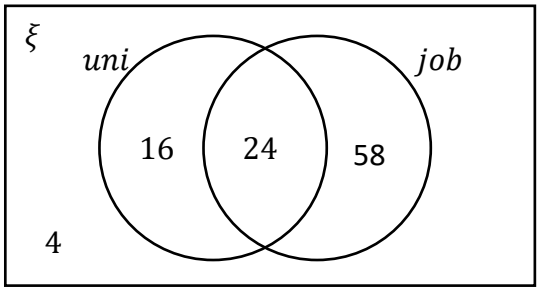
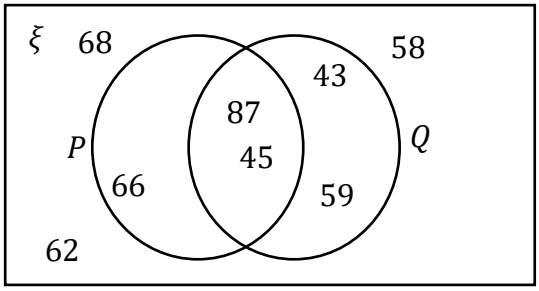
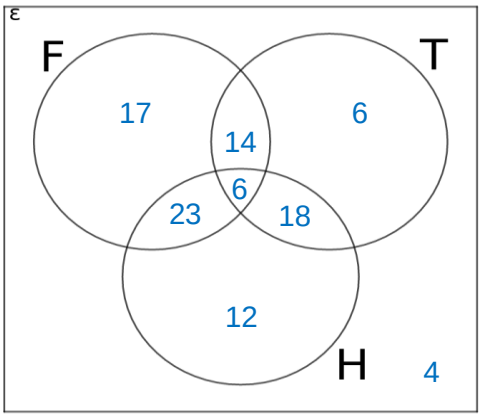
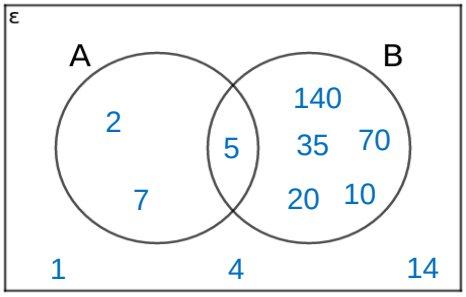
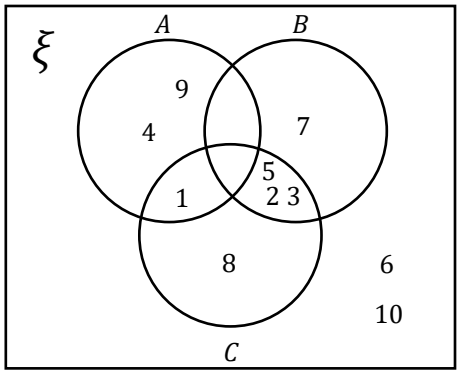
	Sets & Venn Diagrams Mark Scheme	
1(a)	$\frac{29}{50}$	[1] number of students that study maths divided by the total number of students
1(b)	$\frac{28}{50}$	[1] accept $\frac{14}{25}$
1(c)	$\frac{41}{50}$	[1]
2		[1] Dog and Cat correct [1] Intersection correct [1] All correct
3		[1] Correct labelling [1] 1 correct value [1] All correct
4		[1] Number totals 92 [1] Intersection is correct [1] Numbers correct for Uni and job
5		[1] Numbers correct for intersection [1] Numbers correct for not P or not Q [1] Numbers correct for P and for Q

6(a)		[1] Correct diagram [1] Correct values within the Venn or for value out side indicating no preference [1] All correct
6(b)	$\frac{6}{100}$	[1]
6(c)	$\frac{55}{100}$	[1]
7	 Factors are : 1,140 2,70 4,35 5,28 10,14 7,20	[1] correct values inside diagram [1] correct values outside diagram [1] three correctly identified factors [1] all correct factors
8(a)	A = {1 , 4 , 9} B = {2 , 3 , 5, 7} C = {1 , 2 , 3 , 5 , 8}	[1] [1] [1]
		
8(b)	$\frac{7}{10}$ or 0.7 or 70%	[1]

END