2 Agnes	1 Group 2							
3 lary n	PROBLEMS ON FERTILITY MEASURES							
Ħ:	I Takke I below shows the population of scotland							
A transfer of the State of the	Take 1 below shows the population of scotland on 30 Time in various years, together with the number of wirths taking place in those years Use the data in the table to collulate							
	Use the date in the take to calculate							
	crude birth rates and general fertility rate							
	for the years in question.							
	Table 1							
	Year Total FPOP Total Birthy							
	gods, goods							
	1971 5236 1011 86700							
+	1981 5180 1094 69100							
	1991 5107 1122 67000							
	1993 5121 1103 63300							
	1000							
	1975 5136							
#2	If the CBR in a country remains constant							
	If the CBR in a country remains constant over a miniber of years, but the GFR in crea steadily, what does this tell you about the							
	steadily what does this tell you about the							
	Country's population?							
#3	The data in table 2 below relate to fertil							
	in England and Wales in 1976 and 1992							
	a) Calculate the GFR for 1976 and 1993							
b) Calculate ASPRs for the two years								
	c) Using the 1976 population as the							
	standard, Calculate a standard jed							
	fortil tu vita for 1902							
	fertility rate for 1993.							

		Table 2					
		1976		1993			
	Age	Births	FPOP	Births	FPOD		
	Group	2000	00015	5090	2,000		
	15-19	57.9	18.09	45:1	1455		
	20-24	182.2	1672	152.0	1831		
	25-29	220.7	1855	236.0	2070		
	30 - 34	90.8	1593	171.1	1967		
	35-39	26-1	1379	58.8	1729		
	40-44	6.5	1300	10.5	.1750		
	in the second	>			1		
#4	Troble 3	arves in C	rmation	on the m	umber _		
	of births	to have	1/2/	ias age-	20 upi		
	and the	ASPRE LO	is ht n	and Turnil	ia.		
	a) Calc	relate the	GISDS For	Egypt on	nd Trumbia		
	a) Calculate the GRRs for Egypt and Transia b) Calculate a standardized fertility res						
	for	Typisia	100 line	the form	ما		
	for Tunisia using the female						
	population of Egypt as the standard						
	C) Cala la ta a 8ta de d'and factilit						
	Calculate a Standardized fertility ratio for Tunisia, using the female population of Egypt as the Standard						
	terro for tunisia using the terrale						
	population of Copypt as the Sandard						
	21 box	ulation.	20/1				
	by con	ment by	to be	your vear	uts.		
	e) lai	contage (King for	Egippt on	uts.		
11 =							
#5	The data	un torble	e 4 relat	e to a le	erge-Sampl		
3	urvey of	the pop	ulation o	of Malan	i which		
+2	The data in table 4 relate to a large-samper survey of the population of Malauri which took place in 1992.						
	The total number of urban women in the						
5	juster is 1334 and the total me has st						
1,	he total number of urban women in the urvey is 1334 and the total number of ural women is 10518.						
1	a) Calcul	ate GFRe	for my	al and	noban		
	oreas		The state of the s				
	www.	The second second second second second second second second					

G.	mp 2								
6. 65	Colube TE	Re for unt	Jan and						
(1)	al Gladate Standardized Cortilit								
	Cor whom areas using the red a con								
	b) Calculate TFRs for urban and rural areas c) Calculate Standardized fertility rates for urban areas using the rural area as the standard.								
d) What do your results tell about fertility									
	in Malawi	?	The said the said	3					
			and all all						
	and the second	3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	with the						
4		sle 3	The state of the s						
	Egypt, 19	88	Tunkle	u, 1989					
Age	100		Births	ASFR					
Group		a addition in	ovos						
15-10		0.021	6.3	0.017					
20-20	403.8	0-194	43.6	0-131					
25-29	578.9	0.317	55.7	0.195					
30-34	12 - 12		4141	0.176					
35-30		7 0.191	21.6	0-113					
40-40	f 77.7	0.073	5.7	0.041					
45-4	7 25.	1 0-026	1.6	0.009					
			at a second	3					
		-							
	Tabl	e 4							
Age	Percentage	of all	Age-Spe	infic Partity					
Group	Women in	age-group	Rates (per womans					
メールナラ	Urban	Rural		Rural					
15-19	9.7	9.4	0-135	0.165					
20-24	10-1	7.8	0.26						
25-29	9.0	6.3	0-24	12 0.273					
30-34	1 7	5.3	0.2	10 0.261					
35 - 39	4.7	4.4	0.1	49 0.20					
40-44	3.0	4.4	0:0						
45 - 49	1.9	3.1	0.						
	Control of the Contro	a analomes mile imprimer, qualified retail this factor representation of		A STATE OF THE PARTY OF THE PAR					

STANDARDIZATION APPHED TO PERTILITY RATE Both the course Birth Rule and the General Fertility Rate are affected by variations in the arge structure. This is because fertility varies with age. We can overcome this problem by using Standardization to calculate standardized fertility rates and standardized fertility ratios. The procedure for calculating these is exactly the same as the one we used for Calculating standardized death rates and standardized mortality valios, save that we use just the female population instead of the total population, and the age-specific Fertility rates instead of the age-specific However, the only variations in the age structure which affect the conde but oute and the general fertility rate are the variations within the child-heaving orge sange.