

All-State Quotas

1. Listing of the number of schools participating in auditions in each area by year.

Year	ETVA	MTVA	WTVA	
2006	59	59	47	
2007	61	54	48	
2008	61	55	46	
average=	60.3	56.0	47.0	163
ratio=	36.9%	34.3%	28.8%	

2b. Round the numbers from table 2a to the nearest whole number using standard rounding.

	SATB	SSA	TTBB	Region Totals	Rounding results
East	66.5	44.3	34.0	145	0.2
Middle	61.7	41.1	31.5	135	0.6
West	51.8	34.5	26.5	114	1.2
Group size	181	120	93	394	2.0

3. Using the exact number per section figure below as a reference, use standard rounding to determine the number of students per section per choir.

SATB	(Exact Section=)	S1	S2	A1	A2	T1	T2	B1	B2	Totals	Rounding
											results
East	8.375	8	8	8	8	8	8	8	8	64	-3
Middle	7.75	8	8	8	8	8	8	8	8	64	2
West	6.5	7	7	7	7	7	7	7	7	56	4
total=										184	3

SSA	(Exact Section=)	S1	S2	A1	A2	Totals	Rounding
							results
East	11	11	11	11	11	44	0
Middle	10.25	10	10	10	10	40	-1
West	8.75	9	9	9	9	36	1
total=						120	0

TTBB	(Exact Section=)	T1	T2	B1	B2	Totals	Rounding
							results
East	8.5	9	9	9	9	36	2
Middle	8	8	8	8	8	32	0
West	6.75	7	7	7	7	28	1
total=						96	3

4. Table compares the number of assigned students per choir per region (based on section 3 tables) with the number of students each region is allowed (based on section 2b) and the potential ensemble size (based on totals from 2b) with the actual ensemble size (based on totals from 3). Make adjustments as necessary to allow each area their maximum number of students without overly increasing overall size of choirs. SATB choir should never exceed 180 students. Explain and justify adjustments below.

	Total assigned per region (step 3)	Total allowed per region (step 2b)	Difference	Total assigned per choir (step 3)	Total allowed per choir (step 2b)	
ETVA	144	138	6	SATB	184	181
MTVA	136	135	1	SSAA	120	120
WTVA	120	114	6	TTBB	96	93

Summary:

SATB cannot exceed 180 students under any circumstance. Men's choir should be at 92. A total of 8 extra positions were created by rounding (3 in SATB and 3 and TTBB in step 3, 2 were created in step 2b). West experienced the greatest benefits by rounding (a total of 7.2 from steps 2b and 3), as opposed to 1.6 for MTVA and ETVA who gained only .8. The easiest solution is to cut West's one quartet of girls in SATB and one quartet of guys in TTBB to bring all groups back to approved sizes. (Revision - 8/26/09 The three vocal Presidents decided to allow West TN to bring the extra octet due to the fact that for the past couple of years the choirs have not been at full size due to drops.)

The quotas for 2009-10 are:

	Girls per part		Guys per part	
	SATB	SSAA	SATB	TTBB
East	8	11	8	9
Middle	8	10	8	8
West	7	9	7	7
	92	120	92	96