

All-State Quotas

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

Year	ETVA	MTVA	WTVA	
2008	61	54	48	
2009	59	54	51	
2010	60	59	47	
average=	60.0	55.7	48.7	164
ratio=	36.5%	33.9%	29.6%	

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

2a. Determine Actual # per choir by multiplying the percentage from table 1 times the number of students per chorus.

	SATB	SSA	TTBB	Region Totals	Rounding results			
East	65.7	43.8	33.6	66	44	34	144	0.9
Middle	61.0	40.6	31.2	61	41	31	133	0.2
West	53.3	35.5	27.2	53	36	27	116	-0.1
Group size	180	121	92	393				1.0

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	Section=	(Exact)								Totals	Rounding results
		S1	S2	A1	A2	T1	T2	B1	B2		
East	8.25	8	8	8	8	8	8	8	8	64	-2
Middle	7.625	8	8	8	8	8	8	8	8	64	3
West	6.625	7	7	7	7	7	7	7	7	56	3
total=										184	4

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

TTBB	Section=	(Exact)				Totals	Rounding results
		T1	T2	B1	B2		
East	8.5	9	9	9	9	36	2
Middle	7.75	8	8	8	8	32	1
West	6.75	7	7	7	7	28	1
total=						96	4

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	Total allowed per region	Difference	Total assigned per choir (step 3)	Total allowed per choir (step 2b)
ETVA	144	145	-1	SATB 184	180
MTVA	136	133	3	SSAA 120	121
WTVA	120	116	4	TTBB 96	92

Summary:

A total of 8 extra positions were created by rounding (7 in step 3, 1 in step 2b). Middle and West areas experienced the greatest benefits by rounding -- a total of 3.2 for Middle and 3.0 for West (from steps 2b and 3), as opposed to 0.9 for East. My suggestion would be to cut two quartets of men: 1 from SATB (from Middle) and 1 from TTBB (from West). This places the total number in SATB at 180, SSAA at 120, and TTBB at 92.

The quotas for 2011-12 are:

	Girls per part		Guys per part	
	SATB	SSAA	SATB	TTBB
East	8	11	8	9
Middle	8	10	7	8
West	7	9	7	6
	92	120	88	92