

# BOLTON TOOTH SIZE ANALYSIS

## Overall Ratio

Sum Mandibular "12" \_\_\_\_\_ mm.  
 \_\_\_\_\_ x 100 = \_\_\_\_\_ % Overall Ratio

Sum Maxillary "12" \_\_\_\_\_ mm.

MX "12"	MD "12"	MX "12"	MD "12"	MX "12"	MD "12"
85	77.6	94	85.8	103	94.0
86	78.5	95	86.7	104	95.0
87	79.4	96	87.6	105	95.9
88	80.3	97	88.6	106	96.8
89	81.3	98	89.5	107	97.8
90	82.1	99	90.4	108	98.6
91	83.1	100	91.3	109	99.5
92	84.0	101	92.3	110	100.4
93	84.9	102	93.1	111	101.3

## Patient Analysis

If the overall ratio **exceeds 91.3**, the discrepancy is in excessive mandibular arch length. Locate the patient's maxillary "12" measurement in the above chart; opposite it is the correct mandibular measurement. The difference between the actual and correct mandibular measurement is the amount of excessive mandibular arch length.

\_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_  
 Actual MD "12"                      Correct MD "12"                      Excess MD "12"

If the overall ratio is **less than 91.3**:

\_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_  
 Actual MX "12"                      Correct MX "12"                      Excess MX "12"

## Anterior Ratio

Sum Mandibular "6" \_\_\_\_\_ mm.  
 \_\_\_\_\_ x 100 = \_\_\_\_\_ % Anterior Ratio

Sum Maxillary "6" \_\_\_\_\_ mm.

MX "12"	MD "12"	MX "12"	MD "12"	MX "12"	MD "12"
40.0	30.9	45.5	35.1	50.5	39.0
40.5	31.3	46.0	35.5	51.0	39.4
41.0	31.7	46.5	35.9	51.5	39.8
41.5	32.0	47.0	36.3	52.0	40.1
42.0	32.4	47.5	36.7	52.5	40.5
42.5	32.8	48.0	37.1	53.0	40.9
43.0	33.2	48.5	37.4	53.5	41.3
43.5	33.6	49.0	37.8	54.0	41.7
44.0	34.0	49.5	38.2	54.5	42.1
44.5	34.4	50.0	38.6	55.0	42.5
45.0	34.7				

## Patient Analysis

If the anterior ratio **exceeds 77.2**:

\_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_  
 Actual MD "6"                      Correct MD "6"                      Excess MD "6"

If the overall ratio is **less than 77.2**:

\_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_  
 Actual MX "6"                      Correct MX "6"                      Excess MX "6"