

TPSA	Anthropology Contest Answer Sheet	Contest	Regionals
		Season	2026

ANSWER DOCUMENT

Please return all Answer Documents to the Contest Governance Team Sealed in the Envelope it came in.

COMPETITOR INFO

Name	Chapter	
	Region #	

PART 1: BONE NAMING



PART 2: IDENTIFICATION

SEX DETERMINATION CHART		
Pelvis #:	Choose the correct answer for each characteristic:	
Subpubic Angle	<input type="checkbox"/> <90°	<input type="checkbox"/> >90°
Greater Sciatic Notch	<input type="checkbox"/> J Shaped	<input type="checkbox"/> C Shaped
Pelvic Inlet	<input type="checkbox"/> Heart Shaped	<input type="checkbox"/> Round/Elliptical
Sacrum	<input type="checkbox"/> Long & Narrow	<input type="checkbox"/> Short & Wide
Pelvis Size/Shape	<input type="checkbox"/> Large & Narrow	<input type="checkbox"/> Short & Wide
Final Conclusion	<input type="checkbox"/> Male	<input type="checkbox"/> Female

Formulas for Calculating Height

Bone	Male Equation	Female Equation
Femur	$2.32 * \text{length} + 65.53 \text{ cm}$	$2.47 * \text{length} + 54.13 \text{ cm}$
Fibula	$2.60 * \text{length} + 75.50 \text{ cm}$	$2.93 * \text{length} + 59.61 \text{ cm}$
Humerus	$2.89 * \text{length} + 78.10 \text{ cm}$	$3.36 * \text{length} + 57.97 \text{ cm}$
Radius	$3.79 * \text{length} + 79.42 \text{ cm}$	$4.74 * \text{length} + 54.93 \text{ cm}$
Tibia	$2.42 * \text{length} + 81.93 \text{ cm}$	$2.90 * \text{length} + 61.53 \text{ cm}$
Ulna	$3.76 * \text{length} + 75.55 \text{ cm}$	$4.27 * \text{length} + 57.76 \text{ cm}$

NOTE: These formulas are calculated for **ADULT males and females. (from Bass, W.M. (1987) *Human Osteology: A Laboratory and Field Manual* (3rd ed.). Missouri Archeological Society, Columbia.)

Bone #	Bone Name:
Calculations: (show work)	Answer:

Identification Summary (identify the missing person and explain in 2-3 complete sentences)

