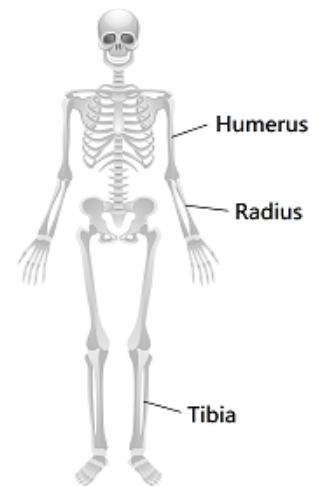


Learning from the past

An archaeologist finds human remains in an excavation. Using his calipers, he measures the length of each bone and records:

- tibia (t) = 31.5cm
- humerus (h) = 27.9cm
- radius (r) = 18.5cm



He uses these scientifically developed formulae, based on bone length in centimetres, to predict the person's height and age.

Height

Male	Female
$H = 81.788 + 2.4t$	$H = 72.64 + 2.5 t$
$H = 73.66 + 3.0h$	$H = 65.024 + 3.1h$
$H = 80.518 + 3.7r$	$H = 73.406 + 3.9r$

Age

Male: $H = 2.758t + 1.717A + 36.509$
Female: $H = 2.771t + 1.457A + 37.748$

What can be determined about the person or persons to whom the bones belonged?