

7.3.1: Index Finger—Thumb Proportion

On each primate hand:

- ✓ Measure the length of the thumb [do not include the palm]
- ✓ Measure the length of the index finger [do not include the palm]
- ✓ Calculate the percentage of thumb length to the index finger
- ✓ Complete the table below

$$\frac{\text{Thumb Length} \times 100}{\text{Index Finger Length}}$$

SPECIES	LENGTH OF THUMB	LENGTH OF INDEX FINGER	LENGTH OF THUMB AS A %AGE OF LENGTH OF INDEX FINGER
HUMAN	52.7	76.6	
NEANDERTAL	52.6	84.4	
GIBBON	34.4	85.2	
BONOBO	39.1	82.8	
CHIMPANZEE	42.3	113.9	
ORANG-UTAN	75.5	129.1	
GORILLA	51.4	108.4	

7.3.2: Thumb Proportion

On each primate hand:

- ✓ Measure the length of the terminal [distal] phalanx.
- ✓ Measure the width of the bone at its most distal point [the terminal pad].
- ✓ Calculate the percentage using the following formula
- ✓ Complete the table

$$\frac{\text{Width of Pad} \times 100}{\text{Length of Terminal Phalanx}}$$

SPECIES	LENGTH OF TERMINAL PHALANX OF THUMB	WIDTH OF THUMB PAD [AT END OF THUMB]	WIDTH OF PAD AS A %AGE OF LENGTH OF THUMB
HUMAN	20.2	8.0	
NEANDERTAL	22.8	11.9	
GIBBON	13.8	4.2	
BONOBO	15.1	3.9	
CHIMPANZEE	15.5	4.5	
ORANG-UTAN	17.0	5.2	
GORILLA	19.1	6.8	