



PERSONAL MEASUREMENT CHART

A basis for simple estimation



PERSONAL MEASUREMENTS

Together with another Cub Scout, using the measuring charts provided in the hall, record the measurements illustrated in Figure 1 in the table below.

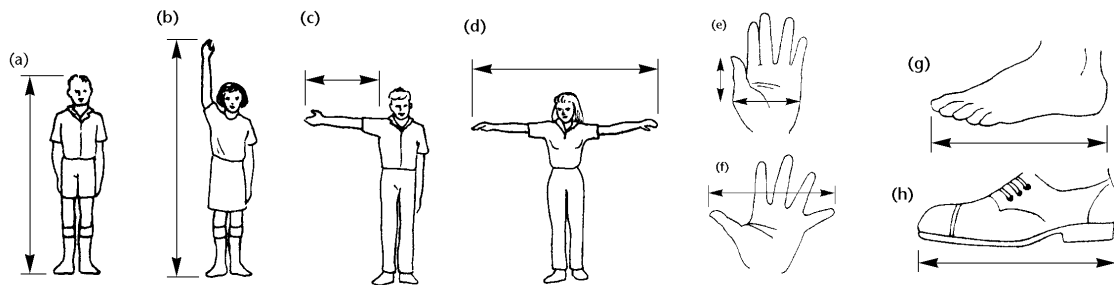


Figure 1 — Personal Measurement Illustrations

Item	Description	Ref Fig 1	Measurement
1	Height	(a)	
2	Height to Tip of Extended Hand	(b)	
3	Length of Arm — Armpit to Tip of Finger	(c)	
4	Extended Arms — Fingertip to Fingertip	(d)	
5	Length of Thumb	(e)	
6	Breadth of Palm of Hand	(e)	
7	Span of Hand — Thumb to Small Finger	(f)	
8	Length of Bare Foot	(g)	
9	Length of Shoe	(h)	
10	Length of Pace on Level Ground		
11	Elbow to Finger Tip (cubit)		

Table 1 — Personal Measurements

HAS ANYTHING CHANGED FROM LAST YEAR?

If you completed this activity last year, compare your current Personal Measurements with the ones you made last year (see a Leader for last year's measurements). What do you notice?

PRACTICAL ESTIMATION EXERCISES

1. Estimate the height of another Cub Scout (not your measurement partner) using your hand (Measurement 5 or 7 — Refer Table 1):

Width of Hand	Number of Hands	Height of Cub Scout
_____	_____	_____
×		=

2. Estimate the width of the Hall, using either your foot length (with or without shoe) or the length of your normal walking pace (Measurement 8, 9 or 10 — Refer Table 1):

Length of Foot or Length of Pace	Multiple	Width of Hall
_____	_____	_____
×		=

3. Estimate the height of the Hall ceiling using the Artist's Method and the height of another Cub Scout (Measurement 1 — Refer Table 1):

Height of Cub Scout	Multiple	Height of Hall Ceiling
_____	_____	_____
×		=

4. Estimate the height of the Community Hall light pole, first using the Artist's Method and the height of another Cub Scout, and second using the Lumberman's Method and your normal walking pace (Measurement 1 or 10—Refer Table 1):

Height of Cub Scout	Multiple	Height of Pole
_____	_____	_____
×		=

Length of Pace	Number of Paces	Height of Pole
_____	_____	_____
×		=

Compare your estimates with the actual values, provided by the Cub Scout you measured (for Q.1) or one of the Leaders (for Q.2-4):

Cub Scout	Hall Width	Hall Ceiling	Hall Light Pole