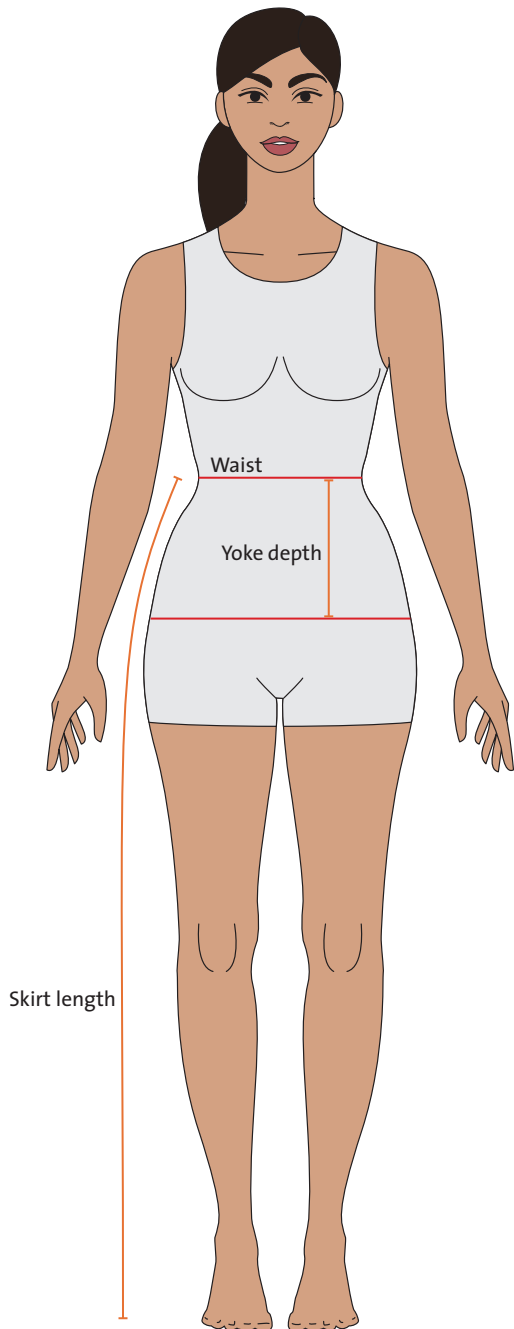# Vionnet skirt measurement worksheet

Use this sheet to note your body measurements and to record the calculations to draft a custom skirt based on Madeleine Vionnet's design. The complete pattern drafting instructions are detailed in "Grainlines in Concert" by Emily Magli (*Threads* #214, Summer 2021).

- **Waist circumference (W) = _____**

- **Yoke depth (Y) = _____**

- **Waist-to-floor measurement, or preferred length (L) = _____**

Waist

Yoke depth

Skirt length

BACK YOKE
The back yoke is a half-circle, with an waistline seam radius determined by your waist measurement.

Solve for the waist radius (Wr).

$W/2\pi$ = _____

Add the yoke depth to determine the outer back yoke radius (BYr).

$Wr + Y$ = _____

FRONT YOKE
The front yoke is three-quarters of a circle, but its waistline circumference equals half your waist measurement. This means the front yoke's inner and outer radii are smaller than those of the back yoke. The yoke depth is the same.

Solve for the front yoke waist circumference (FYc).

$\frac{2}{3}\,W$ = _____

Use the circumference to solve for the front yoke inner radius (FYr).

$FYc/2\pi$ = _____

WAISTBAND
The waistband is a rectangle, to be cut on the bias. Its length is the same as your waist measurement.

$W \times 3\frac{1}{2}$ *inches* = _____ x $3\frac{1}{2}$ *inches*

CENTER AND SIDE PANELS
Measure along the outer seamlines of both yoke pieces, then add the lengths to find the yoke opening circumference (YOc).

YOc = _____

Solve for the yoke opening radius (YOr).

$YOc/2\pi$ = _____

Plan the lower skirt's length (LSL).

$L - Y$ = _____

Illustration: Steven Fleck