# Circle skirt radius chart

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Cut the waist hole at radius = waist / (2pi x fraction), then subtract your waist seam allowance (0.5-0.8 in in two sources). Add the skirt length and hem to get the outer radius.

| Waist | Full circle radius | 3/4 circle radius | 1/2 circle radius | 1/4 circle radius |
|---|---|---|---|---|
| **24 in** | 3 7/8 in | 5 1/8 in | 7 5/8 in | 15 1/4 in |
| **26 in** | 4 1/8 in | 5 1/2 in | 8 1/4 in | 16 1/2 in |
| **28 in** | 4 1/2 in | 6 in | 8 7/8 in | 17 7/8 in |
| **30 in** | 4 3/4 in | 6 3/8 in | 9 1/2 in | 19 1/8 in |
| **32 in** | 5 1/8 in | 6 3/4 in | 10 1/8 in | 20 3/8 in |
| **34 in** | 5 3/8 in | 7 1/4 in | 10 7/8 in | 21 5/8 in |
| **36 in** | 5 3/4 in | 7 5/8 in | 11 1/2 in | 22 7/8 in |
| **38 in** | 6 in | 8 1/8 in | 12 1/8 in | 24 1/4 in |
| **40 in** | 6 3/8 in | 8 1/2 in | 12 3/4 in | 25 1/2 in |
| **42 in** | 6 5/8 in | 8 7/8 in | 13 3/8 in | 26 3/4 in |
| **44 in** | 7 in | 9 3/8 in | 14 in | 28 in |

Radius shown is before the seam allowance is subtracted. Formula from three sources (computed).

Computed or quoted from the sources below; check your pattern or manual before you cut.

Sources

Omni Calculator: circle skirt: https://www.omnicalculator.com/everyday-life/circle-skirt
Creative Curator: circle skirt formula: https://www.thecreativecurator.com/circle-skirt-formula/
Minerva: drafting a circle skirt: https://minervapatterns.com/blog/drafting-a-circle-skirt-and-calculating-the-radius