

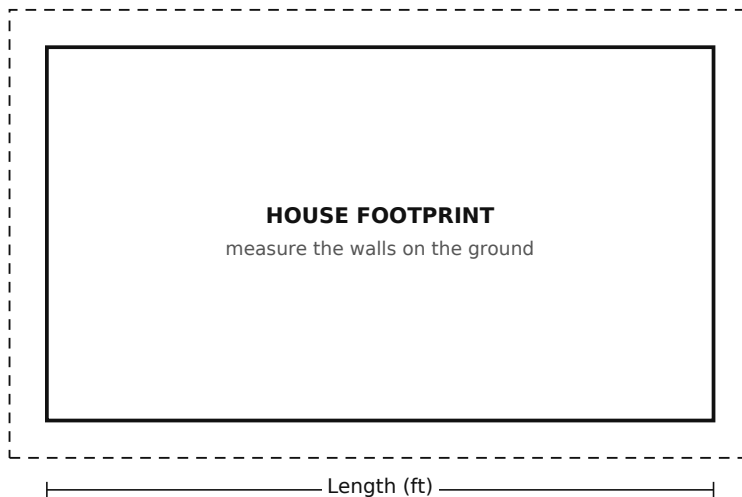
Roof Measuring & Estimate Worksheet

Measure from the ground, convert footprint to roof area with the pitch multiplier, and turn squares into a shingle order. Two pages.

Property / job	_____	Date	_____
Measured by	_____	Roof style (gable / hip / other)	_____
Existing layers	_____	Overhang (in)	_____

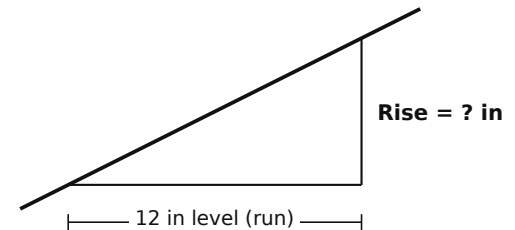
1. Measure

--- eave / rake overhang (add on every side, usually 12 in)



PITCH = rise per 12 in of run

Hold a level 12 in out from the roof surface (or a rafter) and measure straight up to it. 6 in rise = 6/12.



2. Roof area by section

Footprint = length × width, measured including the overhang. Roof area = footprint × pitch multiplier (see the Roof Pitch Chart printable, or $\sqrt{1 + (\text{rise} \div 12)^2}$). 100 sq ft of roof = 1 square.

Section	Length (ft)	Width (ft)	Pitch	Multiplier	Footprint (sq ft)	Roof area (sq ft)

Total roof area (sq ft)	_____	Squares (area ÷ 100)	_____
Waste % (see below)	_____	Order squares (squares × (1 + waste))	_____

Waste factor used by our calculators: about 10% for a simple gable, 15% for a hip roof, 15–20% or more when the roof is cut up by valleys, dormers and skylights.

Item	How to work it out (site defaults)	Your number
Shingle bundles	Order squares $\times$ 3 bundles per square (33.3 sq ft per bundle), rounded up	
Synthetic underlayment	Roof area + 10% for laps $\div$ roll coverage (10 squares = 1,000 sq ft per roll on our calculator)	
Drip edge	Eaves + rakes (ft) + 10%, $\div$ 10 ft per piece	
Starter strip	Eaves + rakes (ft) + 5% $\div$ ft per bundle on the wrapper (about 105 ft is our default)	
Ridge cap	Ridge + hips (ft) + 10% $\div$ 33.3 ft per bundle	
Roofing nails	Shingles per square $\times$ nails per shingle (4 standard, 6 high-wind)	

Contractor	Total price	Price per square	Shingle line	Tear-off incl.?	Warranty	Start date

Planning figures only. Follow the shingle manufacturer's instructions and your local building code; work on a roof is for trained, equipped people.
Free to print and share with a link to smartroofingcalculator.com/printables · Run the numbers: smartroofingcalculator.com Page 2