

Roof Pitch Chart: Calculate Your Slope with Ease (2025)

This chart provides a straightforward reference for common roof pitches. It shows the rise-to-run ratio, its fractional equivalent, and the corresponding angle in degrees, making it easier to understand and measure roof slopes for any DIY project.

PITCH (RISE:RUN)	FRACTIONAL PITCH	ANGLE (DEGREES)	COMMON USE / CHARACTERISTICS
1:12	1/12	4.76°	Very low slope; requires specialized flat roofing materials like modified bitumen or EPDM. Standard shingles aren't suitable.
2:12	1/6	9.46°	The absolute minimum for asphalt shingles, but still considered a low-slope roof. Often needs extra underlayment protection.
3:12	1/4	14.04°	Low slope, but better for water shedding than 2:12. You'll see this pitch on sheds, carports, or some porch roofs.
4:12	1/3	18.43°	A common minimum pitch for many residential roofs using standard asphalt shingles. It sheds water effectively.
5:12	5/12	22.62°	A good balance pitch. It sheds water well and is still relatively easy to walk on for maintenance or repairs.
6:12	1/2	26.57°	A very popular residential pitch. It offers good water runoff, decent attic space, and works well in most climates.
7:12	7/12	30.26°	A steeper pitch that provides more attic headroom. It's excellent for shedding snow and heavy rain.
8:12	2/3	33.69°	Noticeably steep, offering ample attic space and excellent water runoff. It makes for a visually prominent roof.
9:12	3/4	36.87°	Quite steep. You'll often find this pitch on older homes, Victorian styles, or specific architectural designs. It can be challenging to walk on.
10:12	5/6	39.81°	A steep pitch that provides significant attic height and a dramatic roofline. Requires caution for roof work.
12:12	1/1	45.00°	This is a true 45-degree angle, meaning the rise equals the run. Common on A-frame houses or very traditional, steep roof designs.
18:12	3/2	56.31°	Very steep, often seen on mansard roofs, dormers, or decorative gables. Roof access demands safety equipment.
24:12	2/1	63.43°	Extremely steep, approaching vertical. Usually reserved for specific architectural features or decorative elements, not primary roof planes.

13 rows