

# Calculating pitched roof areas in QuickScale

trapezium and triangle shaped roofs

You need to add a vertical line, the same length as the hips, starting from the eaves, extending upwards.

Take an area of the roof as you see it on the drawing, then extend the area to reach the top of the new vertical line.

This should give you the actual roof area.



Click on Snap To and Set Square in the tool bar – this will measure a 90deg angle from the eaves. Click on the Line button on the tool bar and from the eaves, measure a vertical line 6m long, ie the actual length of the hips.

The screenshot shows the QuickScale 2 software interface. The main drawing area displays a trapezoid with a top width of 6 m, a bottom width of 12 m, and a height of 6 m. A vertical red line is drawn from the top edge to the bottom edge, with a right-angle symbol at the bottom. The software interface includes a toolbar with various tools, a 'Dimensions' panel on the right, and a status bar at the bottom.

Dim	Units	Element	Details
6	m	Calibration...	
12	m	Calibration...	
6	m	Line	

Measure the area as usual

Tip: start and finish your area from the eaves, not the ridge line

The screenshot shows the QuickScale 2 software interface. The main workspace displays a purple trapezoid with a top width of 6 m, a bottom width of 12 m, and a height of 6 m. The calculated area is 41.78 m<sup>2</sup>. A green banner at the top of the workspace reads "Scale is confirmed!". The software interface includes a menu bar (Home, View, Print), a toolbar with various tools (Open, Close, Save, Export Dimensions, Select, Line, Path, Area, Snap To, Set Square, Delete, In, Out, Undo, Redo, Clear All), and a 'Dimensions' panel on the right. The 'Dimensions' panel contains the following table:

Dim	Units	Element	Details
6	m	Calibration...	
12	m	Calibration...	
6	m	Line	
41.78	m <sup>2</sup>	Area	

The bottom status bar shows "Zoom: 200.00%", "X: 204.62 Y: 288.5", and the Windows taskbar at the bottom right shows the time "12:40" and date "29/11/2013".

Click the Select button on the tool bar and try and grab the top area line. This can be tricky but click on the line first and it will turn blue. Click on it again and drag it up to the top of the 6m vertical line. This will give you the area of the roof.

scan basic roof shapes - QuickScale 2 - Standard Edition (v2.1.7.146)

Home View Print

Open Close Save Export Dimensions

Select Line Path Area

Snap To Set Square

Delete In Out

Undo Redo Clear All

Drawing Scale 1:117

Units Metres(m)

Calibration Tool

File Measuring Extra Delete Zoom Edit Scale Calibration

Pages

Scale is confirmed!

Dimensions

Dim	Units	Element	Details
6	m	Calibration...	
12	m	Calibration...	
6	m	Line	
53.9	m <sup>2</sup>	Area	

Zoom: 200.00% X: 174.12 Y: 285.5

12:42 29/11/2013

The same applies to a triangular shaped roof – click on Snap To and Set Square on the tool bar to measure a 90deg vertical line. Click Line on the tool bar and draw a line from the eaves upwards for 4m, ie the actual length of the hips.

The screenshot shows the QuickScale 2 software interface. The main workspace contains two diagrams: a trapezoid on the left with a red dimension line at its base labeled "4.01 m", and a triangle on the right with a red vertical line from its top vertex to its base, labeled "4 m". A red square symbol at the base of the vertical line indicates a 90-degree angle. The software's toolbar includes options for File, Measuring (Line, Path, Area), Extra (Snap To, Set Square), Delete, Zoom (In, Out), Edit (Undo, Redo, Clear All), Scale (Drawing Scale: 1:39, No Paper Size), and Calibration (Units: Metres(m), Calibration Tool). A status bar at the bottom shows "Zoom: 100.00%", "X: 342.12 Y: 514.12", and the system tray with the date "29/11/2013" and time "13:02".

Scale is confirmed!

Dim	Units	Element	Details
3	m	Calibration...	
4.01	m	Calibration...	
0	m	Line	
4	m	Line	

Measure the area as usual.

Tip: start and finish your area from the eaves, not the ridge

The screenshot shows the QuickScale 2 software interface. The main workspace contains two shapes: a trapezoid on the left and a purple triangle on the right. The trapezoid has a red dimension line at its base labeled "4.01 m". The triangle has a red vertical dimension line from its base to its apex, labeled "3.81 m²" and "3 m". A green status bar at the top of the workspace says "Scale is confirmed!".

The software interface includes a menu bar (Home, View, Print), a toolbar with various tools (Open, Close, Save, Export Dimensions, Select, Line, Path, Area, Snap To, Set Square, Delete, In, Out, Undo, Redo, Clear All), and a right-hand panel titled "Dimensions".

Dim	Units	Element	Details
3	m	Calibration...	
4.01	m	Calibration...	
0	m	Line	
4	m	Line	
3.81	m <sup>2</sup>	Area	

Zoom: 100.00% X: 172.12 Y: 471.12

Click the Select button on the tool bar and try and grab the top area point. Click on the point first and it will turn blue. Click on it again and drag it up to the top of the 4m vertical line. This will give you the area of the roof.

scan basic roof shapes - QuickScale 2 - Standard Edition (v2.1.7.146)

Home View Print

Open Close Save Export Dimensions

Select Line Path Area Snap To Set Square Delete In Out Undo Redo Clear All

Drawing Scale: 1:39 Units: Metres(m) Calibration Tool

No Paper Size Scale Calibration

Pages

Scale is confirmed!

The screenshot shows the QuickScale 2 software interface. On the left, a 'Pages' panel displays a thumbnail of the current drawing. The main workspace contains two diagrams: a trapezoid on the left with a red horizontal line at its base labeled '4.01 m', and a purple triangle on the right with a red vertical line representing its height, labeled '6.02 m' and '3 m' at its base. The area of the triangle is indicated as '6.02 m²'. A green status bar at the top of the workspace reads 'Scale is confirmed!'. On the right, a 'Dimensions' table lists the elements and their values.

Dim	Units	Element	Details
3	m	Calibration...	
4.01	m	Calibration...	
0	m	Line	
4	m	Line	
6.02	m <sup>2</sup>	Area	

Zoom: 100.00% X: 142.12 Y: 692.12

Windows taskbar: 13:03 29/11/2013

Further help available:

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