

Blanket Design Calculator

Step 1 **produce a Sample Square - aim for at least 10cm x 10cm**

use the type of stitch that you plan to use for your blanket.

NOTE - pick your units of measurement and weight. It doesn't matter whether you use inches or cms, grams or lbs but you need to stick to the same units throughout!

Write down the number of rows that make up your square. **R** =

Write down the number of stitches that make up your square. **S** =

Measure the length of the square and note the length here. **L** =
length is in inches or centimetres

Measure the width of the square and note this width here. **W** =
width is in same units as length

Step 2 Calculate the area of your square (**L x W = A**) area is in the same units as length/width but squared.

Length **L** x Width **W** = area **A**

Step 3 Weigh your square. **B** = grams or ounces

Step 4 Weigh all the yarn you intend to use - total weight **T** = grams or ounces
same units as the weight of the square **B**

Step 5 Calculate the factor **F** as follows **F = T/B**

total weight **T** divided by weight of square **B** = factor **F**

Step 6 Calculate the maximum area of your blanket

area of sample square **A** x factor **F** = max **M**

TIP - this is a very rough calculator - I would advise you allow a degree of contingency c 10%

Step 6b to add contingency multiply **M** by 0.9 and use this in the calculations. Revised **M** =
increase contingency (multiply by 0.8 or 0.75) if you are working with multiple weights or varied stitches
sense check - revised **M** should be a SMALLER number than **M**!

Step 7 Now check the table of suggested blanket sizes

Select your desired width **D** - keep to the same units you used above! **D** =

Step 8 Calculate the maximum length **E**. (**M/D = E**)

Maximum area **M** divided by width **D** = maximum length **E**

Step 9 Go back to the table of suggested sizes. Check that your desired length less than the max length **E**

IF **E** is less than your desired length - you do not have enough yarn.

Options: choose a smaller size
obtain more yarn

Step 10 Calculate your stitches per cm (**W/S = T**)

width of sample square **W** divided by number of stitches **S** = **T**

Step 11 Calculate your starting chain (**D/T = C**)

desired blanket width **D** divided by tension **T** gives chain length **C**

Remember to add your turning chain to this first row:

If you are working a row of DC (SC in US) you would add two chain. Turn and work into the third chain from the hook

If your first row is trebles (DC in US terms) you would add three chain. Turn and work into the fourth chain from the hook