LABBEASY

Representing Large Numbers - Group Project

One Million

Templates for a huge poster, 33 x 43 in (85 x 110 cm)

ONE MILLION

1.000.000 DOTS

Dies ist ein Hunderter-Block:
Er besteht aus 10 x 10 Punkten
= 100 Punkte

Dies ist ein Zehntausender-Block:
Er besteht aus 10 x 10 Hunderter-Blöcken
= 10.000 Punkte

Das Plakat besteht aus 10 x 10 Zehntausender-Blöcken
= 100 Hunderter-Blöcke
= 1.000.000 Punkte

PDF 4618-EN

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PRINT SETTINGS

Please use Acrobat Reader to print and make sure that the settings 'Actual size' and 'Auto portrait/landscape' are selected.

SAVE PAPER & TONER

Only print out the pages you need.

One Million

One million is an unimaginably large number, and not just for children. One million is a thousand times greater than one thousand. Counting to one million would be an extremely tedious task - it would in fact take about 12 days!

OK, so we know that a million grams is a ton and a million millimeters is a kilometer. We also know that dinosaurs lived 230 million years ago... but does that help us visualize one million??

1.000.000 DOTS

One million is an interesting number because it's huge and – at the same time – it's the smallest of the big numbers (just small enough that we can still imagine it). It sits exactly on the border between the world we can imagine and the world of the completely unimaginable. Big numbers are really big... too big to be able to understand them properly without some kind of visual aid.

This poster demonstrates in an effective, very simple way what a million is. This is done by 'bundling' (otherwise known as 'grouping'). In mathematics, bundling or grouping means to group small quantities together in order to be able to grasp large numbers more quickly. The poster is composed of:
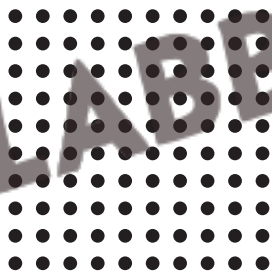
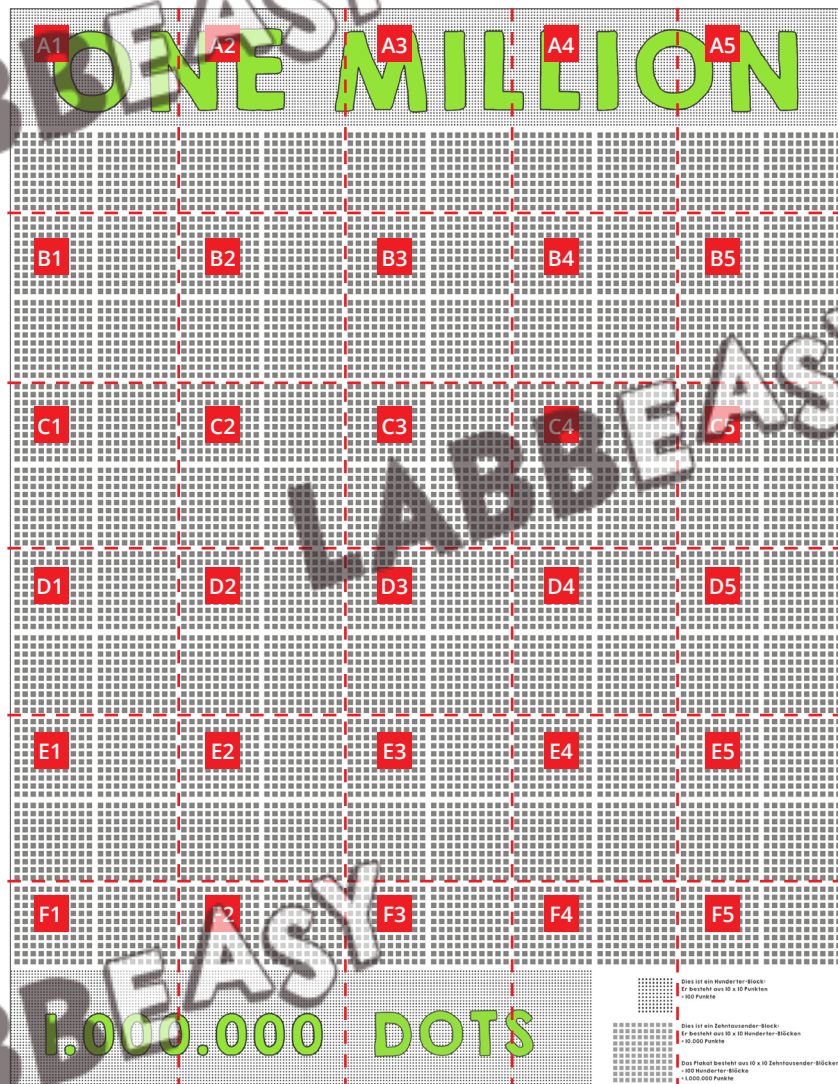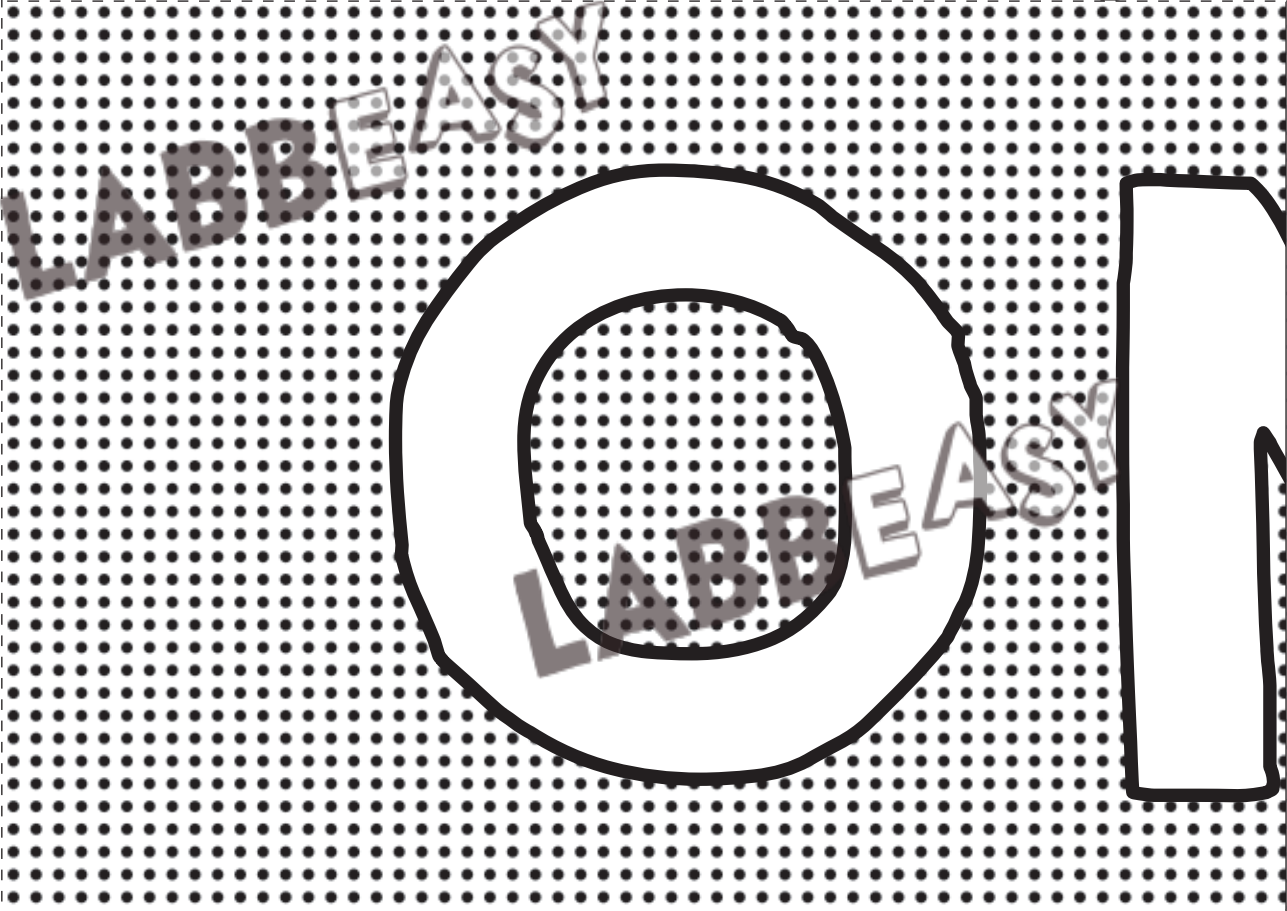|		
10 x 10 dots	= 100	dots, which is equal to a one-hundred bundle.
10 x 10 one-hundred bundles	= 10.000	dots, which is equal to one ten-thousand bundle.
10 x 10 ten-thousand bundles	= 1.000.000	dots!!!

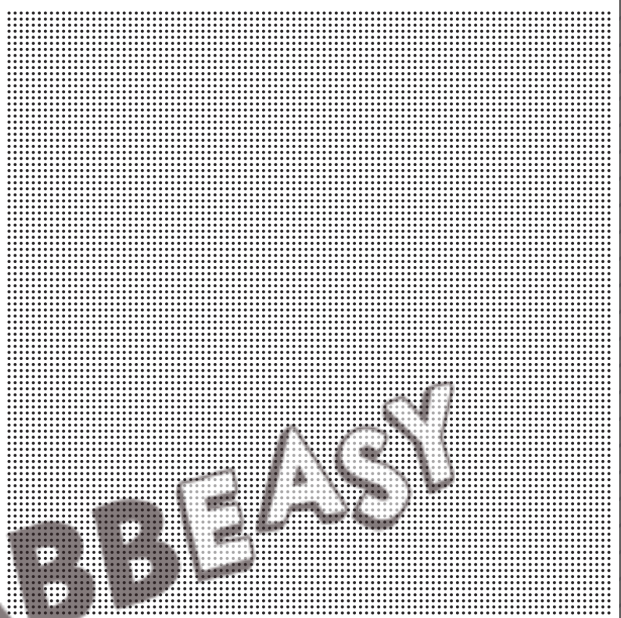One million dots... is a lot of dots. Wow!!!

Micha Labbé

One Million

1. Begin by printing out sheets A1 to F5 on white paper.

2. Cut out the sheets along the dotted cutting lines and sort each letter into a separate pile. Then sort each pile by number so that 1 is on top and 5 is at the bottom.

3. Stick all of the 'A' sheets together. To do this, put glue on the long panel on the right-hand side of sheet A1 and stick the adjacent sheet (A2) onto it so that the left edge is perfectly aligned with the solid line. Then stick A3 to A2, A4 to A3, and so on until you get to A5. Do the same thing with rows B to F.

4. Now stick row B onto row A, making sure to align the upper edge with the gluing panel at the bottom of row A. Then stick row C onto row B and so on until you get to row F.

5. Now you can color in the letters of the title and the subtitle. Your one-million poster is finished... Awesome!!!

One Million - AI

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A2

B1