

DYNAMIC SYMMETRY: HOW TO DRAW THE GRID WITH MATH

How to Draw a Dynamic Symmetry Grid with Simple Math

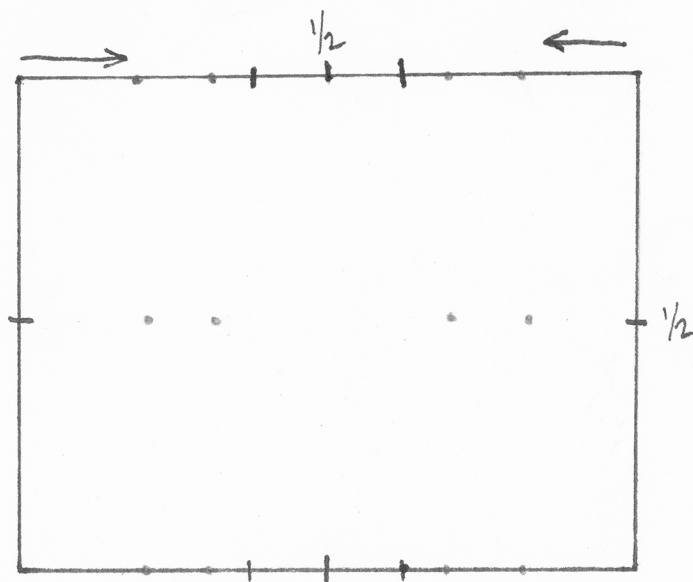
No T-square or triangle required... Just a ruler & calculator.

Ratios: Square = 1 Phi = 1.618
Root Phi = 1.272 Root 3 = 1.732
M43 = 1.333 Root 4 = 2
Root 2 = 1.414 Root 5 = 2.236
1.5 = 1.5

- Convert Inches to Millimeters to make it easier.

$$1 \text{ inch} = 2.54 \text{ cm} = 25.4 \text{ mm}$$

- Find your ratio with your canvas or photo size.
 $14 \div 11 = 1.272$ 1.272 is the ratio of the 14x11 canvas = Root Phi
- Take smaller side and divide by ratio.
 $11 \div 1.272 = 8.64 \text{ inches}$
- Convert inches to millimeters
 $8.64 \times 25.4 = 219.45 \text{ mm}$
- Measure lengthwise 219.45 mm from each corner



- For MAD just divide smaller side by 2, then divide by ratio
 $11 \div 2 = 5.5$ $5.5 \div 1.272 = 4.32$ $4.32 \times 25.4 = 109.82 \text{ mm}$
- Draw halfway lines, then measure lengthwise from each corner