





Tearing Tangrams

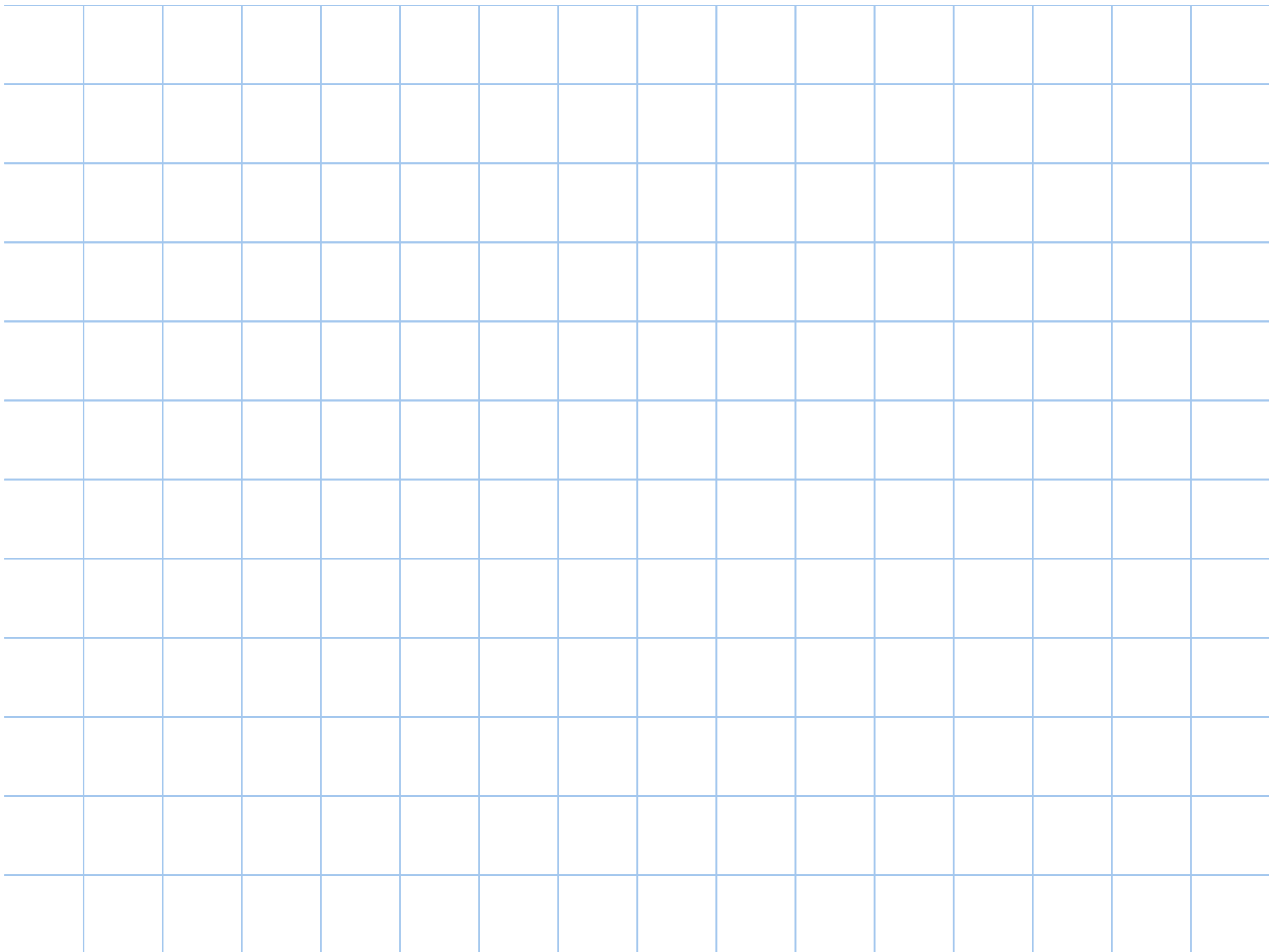
This is a domino 

These are triominoes  

These are *not* polyominoes 


Polyominoes are shapes that are made by joining squares edge-to-edge.


- Find all the tetrominoes and pentominoes.
- Get a start on hexominoes.





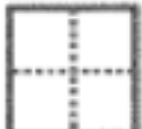
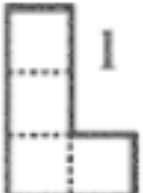

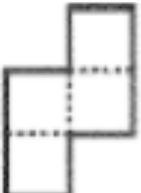
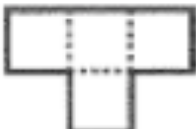




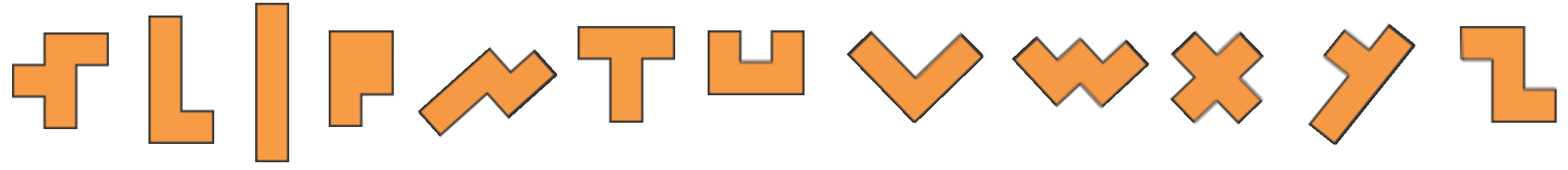
 Monomino

 Domino

 Straight }
 Bent } Trominoes

 Square
 l
 i
 n
 t
Tetrominoes

FLIP'N TUVWXYZ!



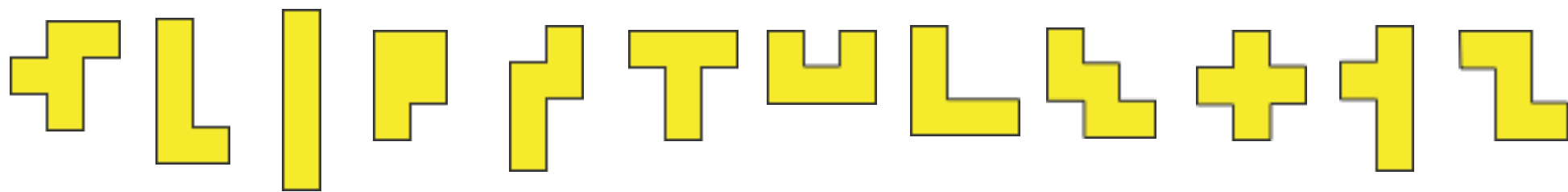
Pentomino Activities, Lessons, and Puzzles



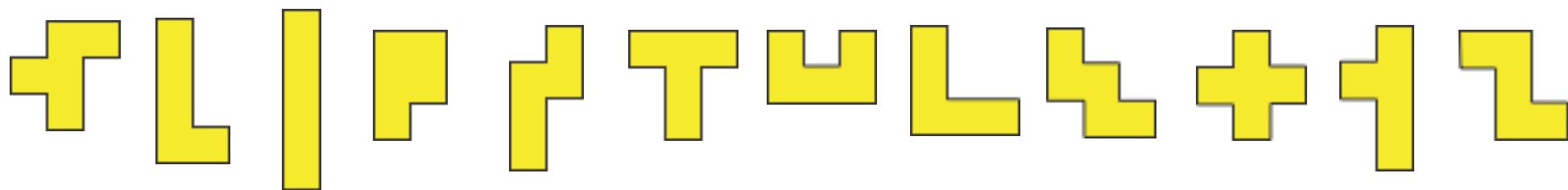
Working with Pentominoes

Available from Didax -- with an
interactive DVD of the whole book

The last few copies may be available from McGraw-Hill.

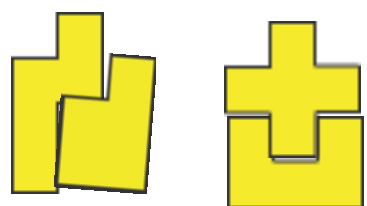


Pentomino Rectangles



Congruence

Two- and three-layer puzzles

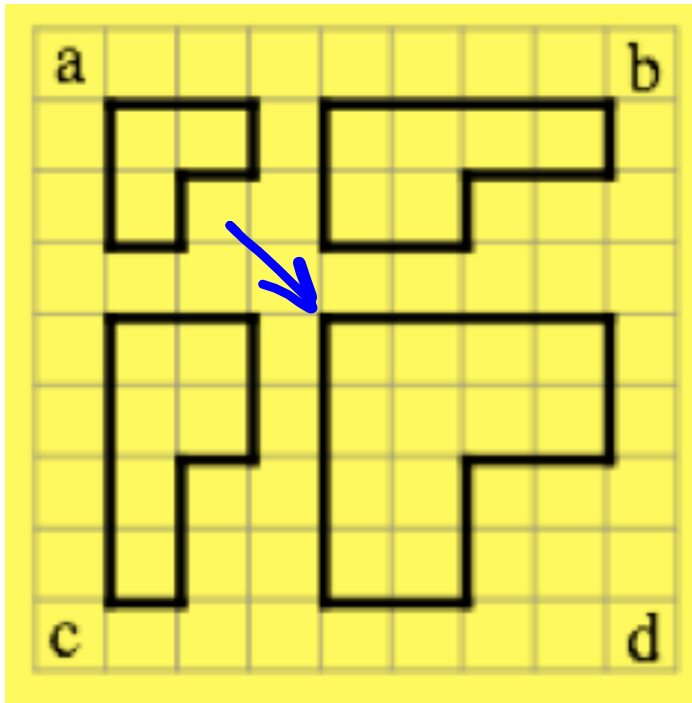


LN & IV

WTP & XNF

ZN, UT, PF
VZ, PU, LN

PF & XU
PN & LV
PY & FW
PY & XW
YZ & WP
LN & PF
PN & UY



Perimeters:

a. 8

b. 12

c. 12

d. 16

Areas:

a. 3

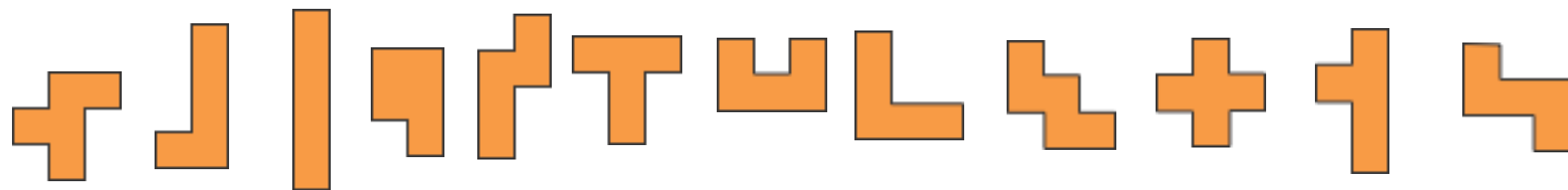
b. 6

c. 6

d. 12

Between a and d: two ratios

- Ratio of similarity (scaling factor)
- Ratio of areas

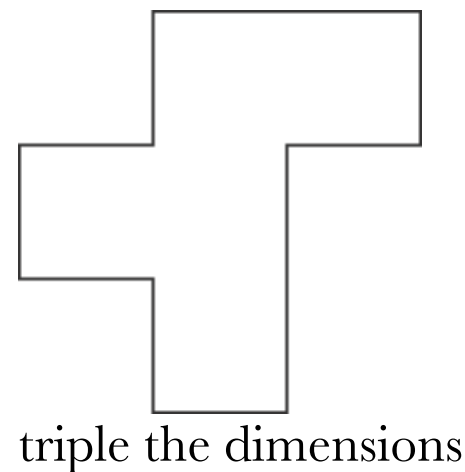
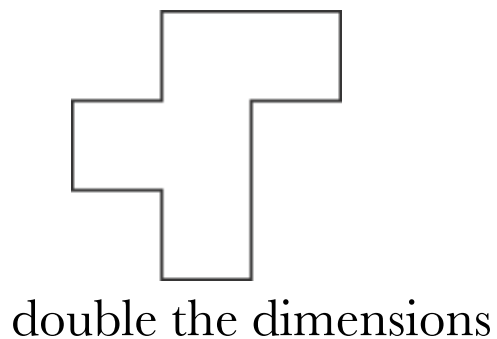


Pentomino Blowups

Doubled
F, U, I
Z, W, N
P,



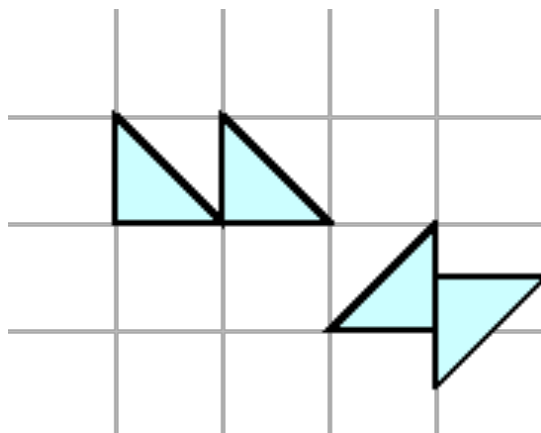
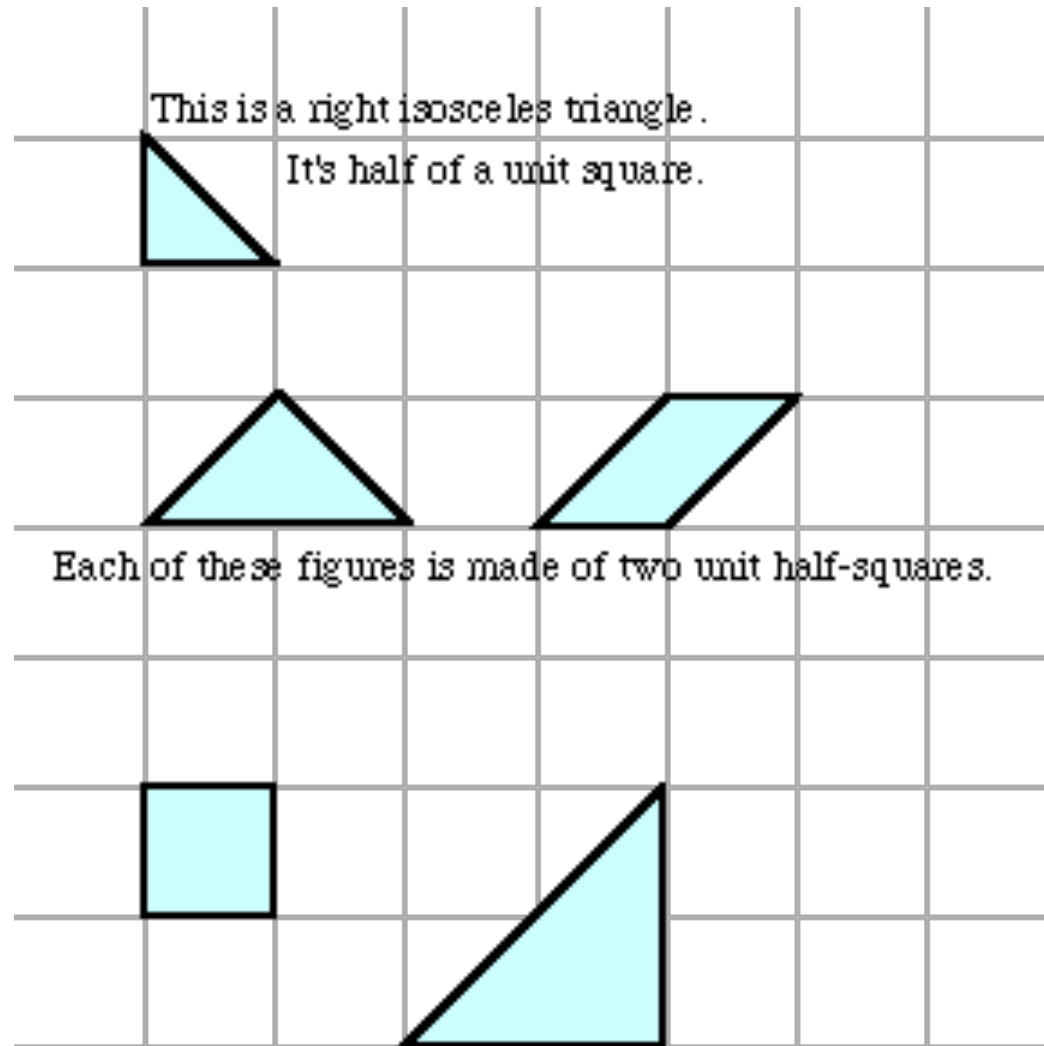
impossible: X
T? Y?

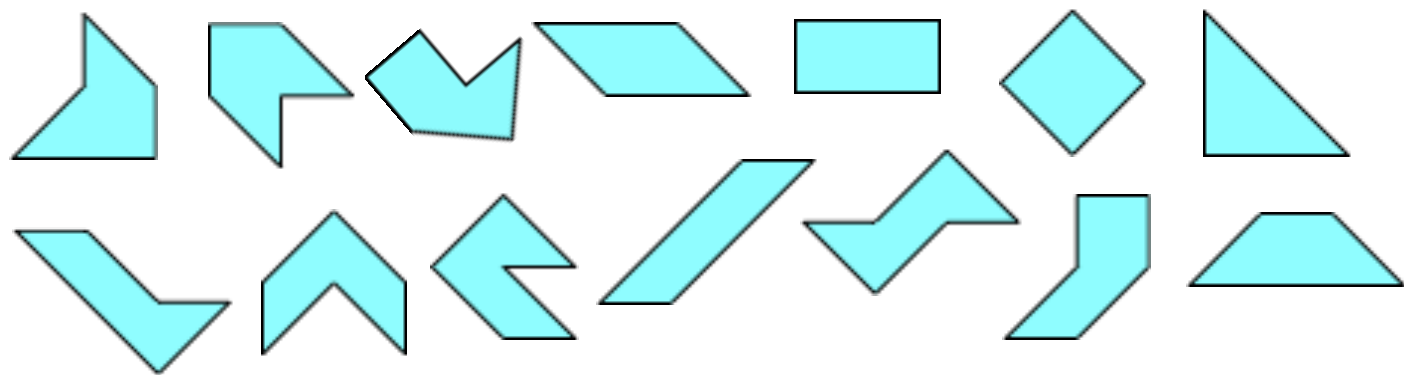


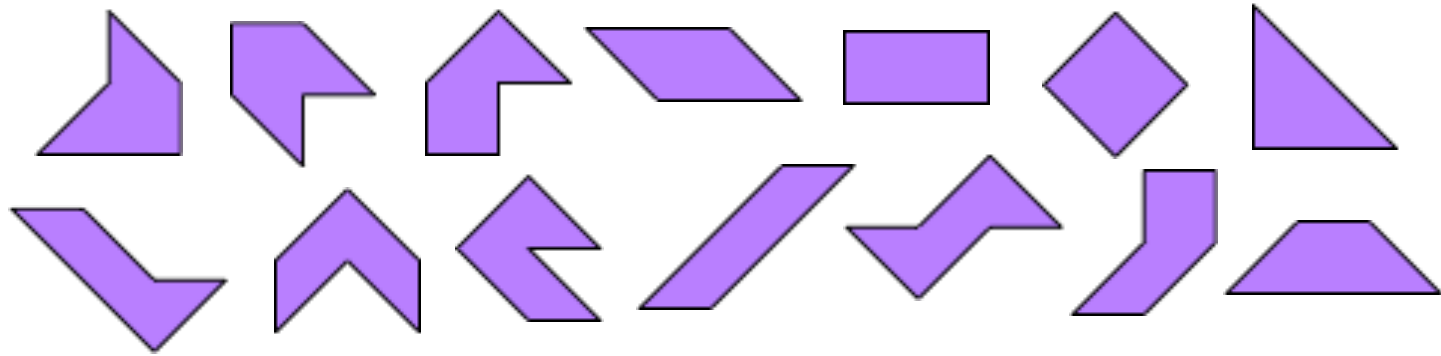
Tripled
U P

Supertangrams

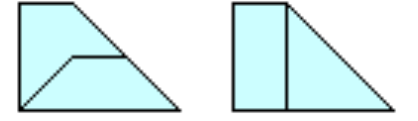
There are 14 supertangrams
(each made of four half squares)



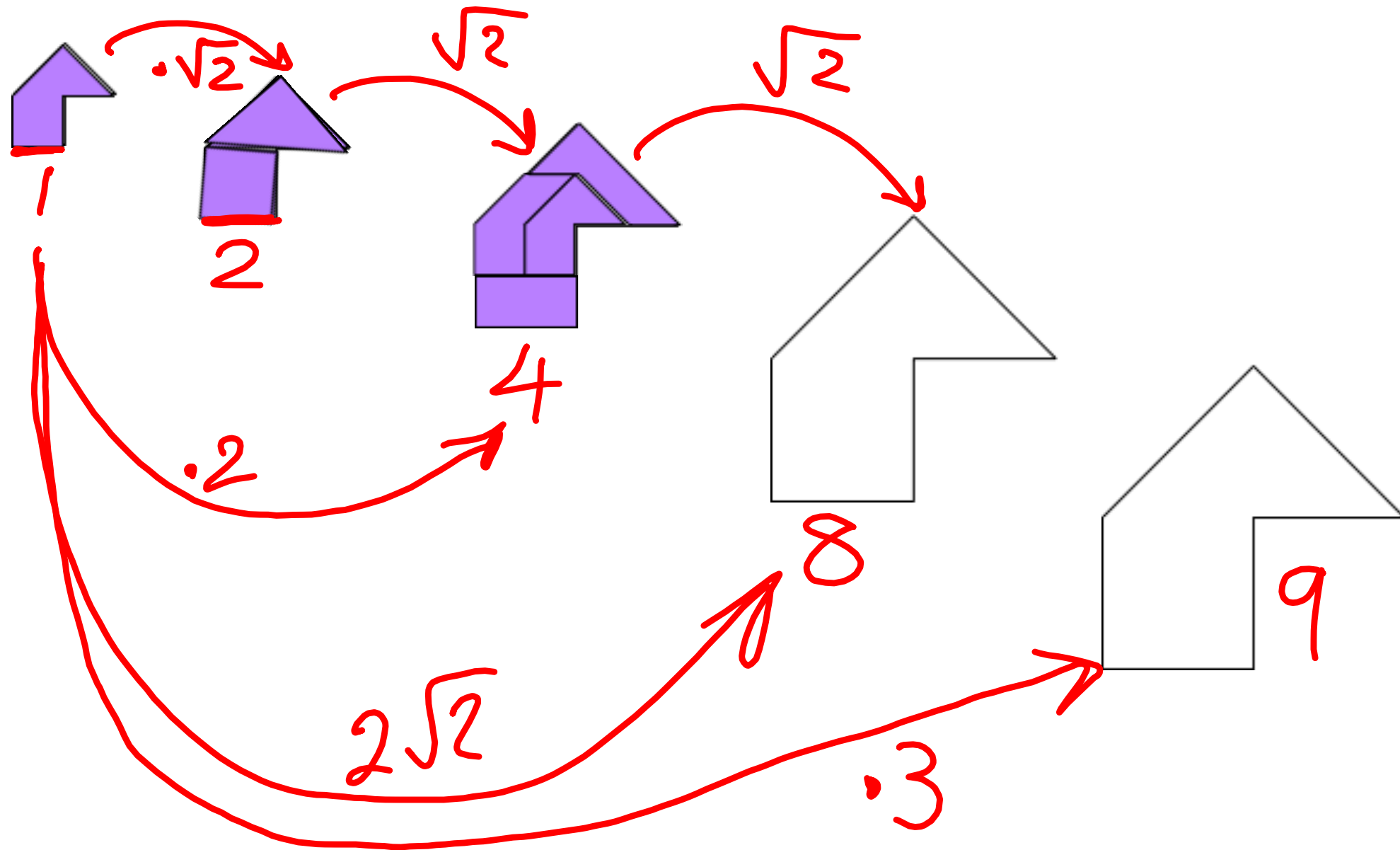
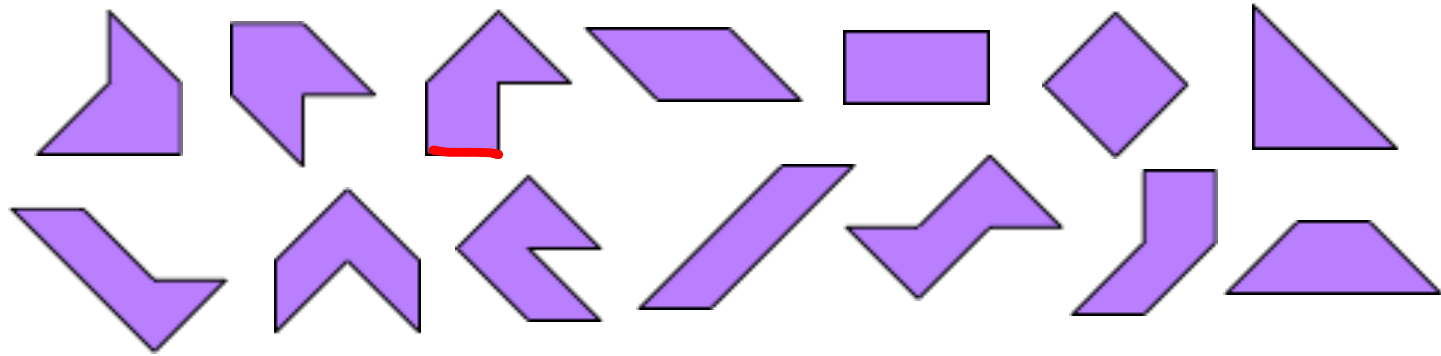




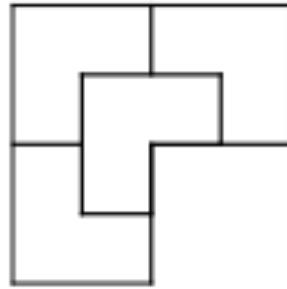
Congruence



Scaling



Rep-tiles



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Rep-tiles

