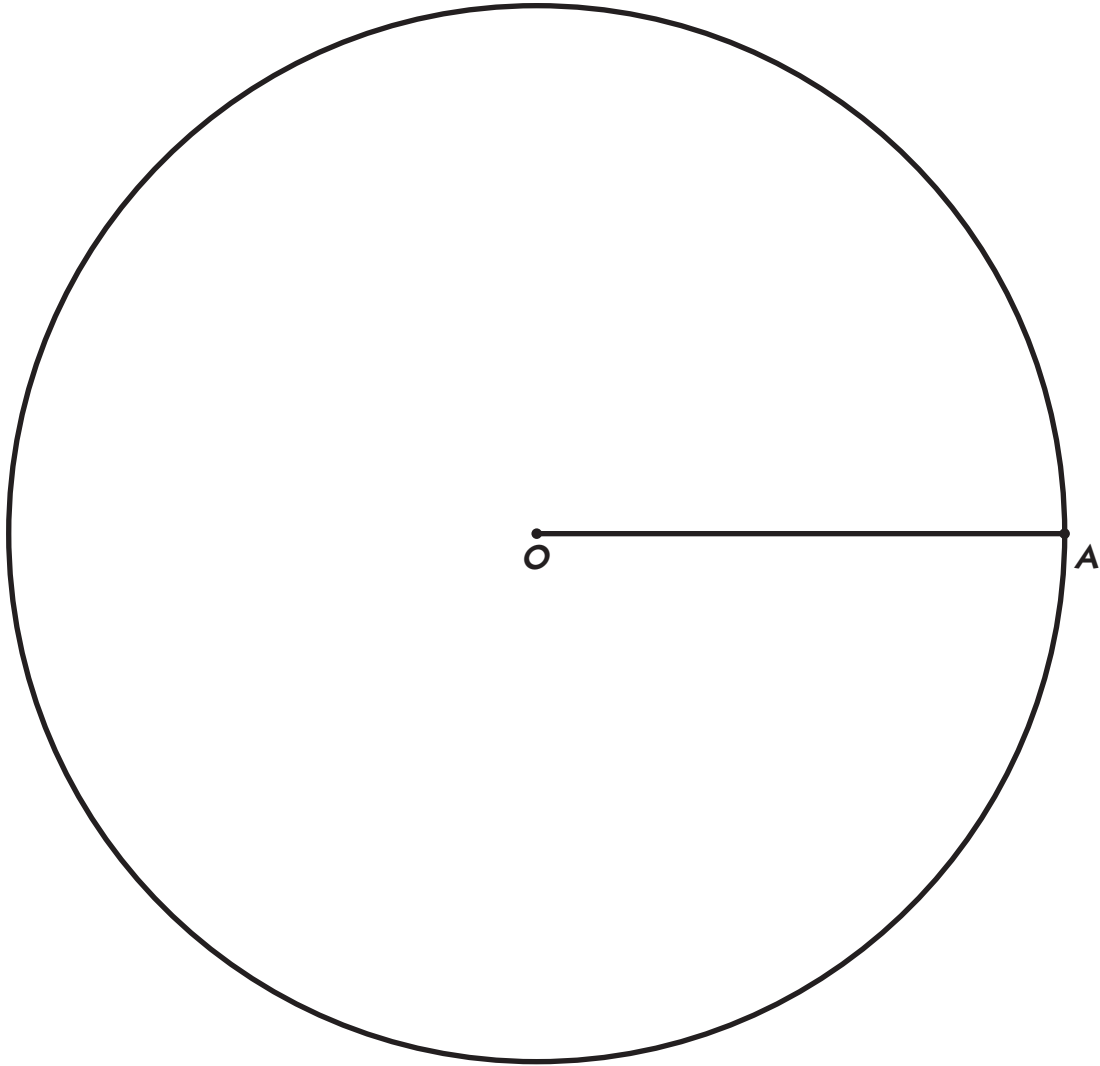
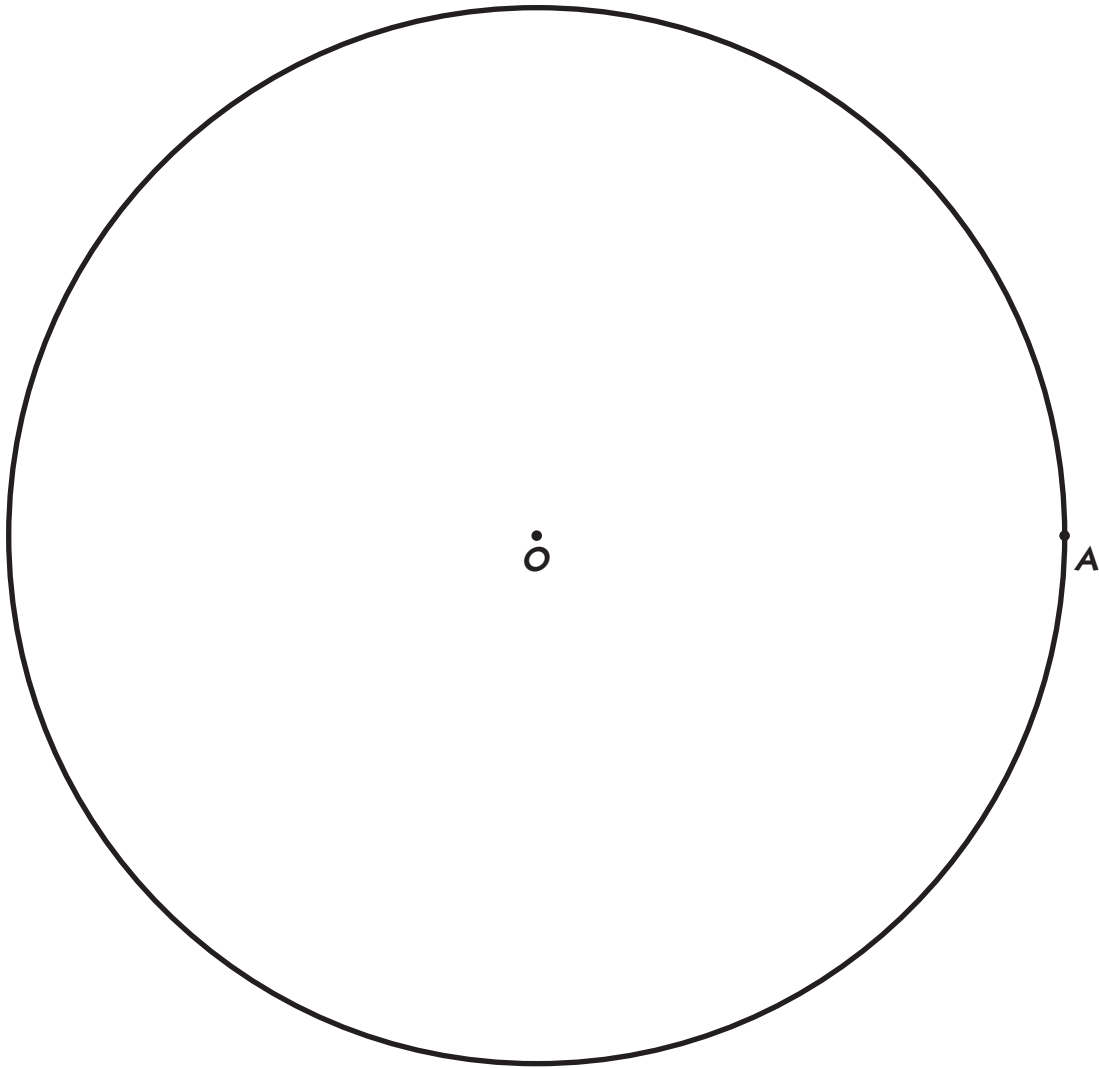


5-Point Star Template



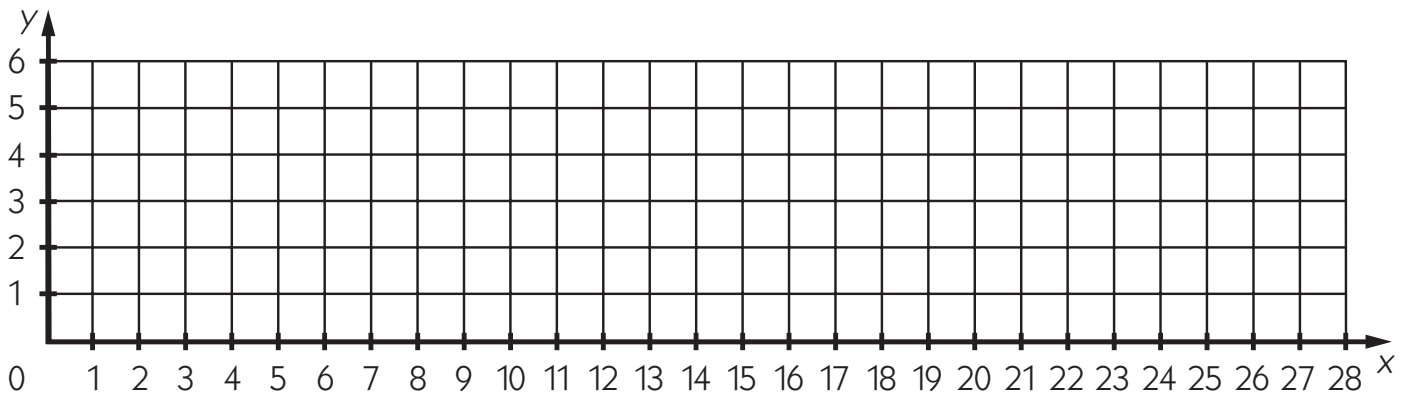
9-Point Star Template



Introducing Area Bingo

Board 1			
1	22	16	12
9	28	3	32
30	7	13	5
10	24	8	4

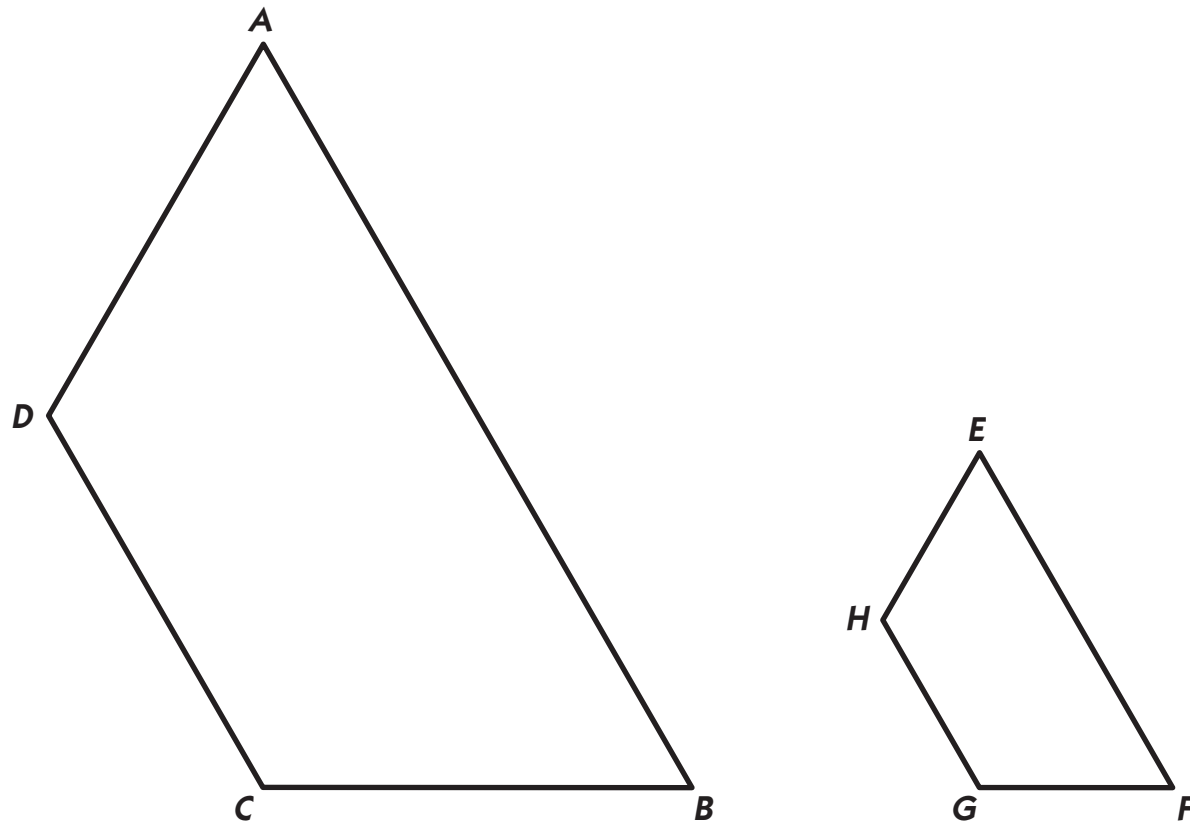
Board 2			
14	5	4	31
8	1	11	24
13	30	6	10
9	16	12	7



y
(2, 1)
(3, 4)
(6, 4)
(5, 1)

z
(11, 1)
(11, 5)
(16, 1)

Similar Trapezoids



One Way to Test for Similarity

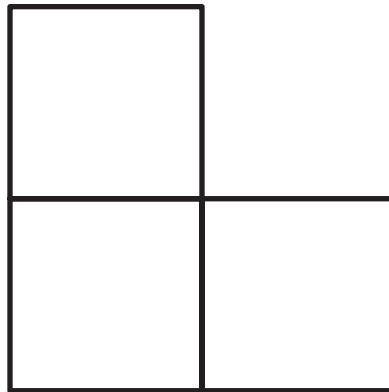
- 1 Lay the paper flat on the table and sit up straight.
- 2 Hold a trapezoid pattern block in your hand, and position it so it's about 8 or 9 inches above the larger figure. (The pattern block is congruent to trapezoid EFGH.)
- 3 Close one eye and move the smaller figure up and down a little so that it lines up with the larger figure. If you can get them to match exactly *while your one eye is still closed*, they are similar.

Similar Figures page 1 of 3

1a The next page is a piece of graph paper with a block-letter L drawn on it. On the same sheet of graph paper, construct an L with all sides *twice the length* of the given L. Construct your L so that the lower left corner is at the origin (point 0,0).

b In the space below, record at least 3 mathematical observations about the individual L's or the two L's together.

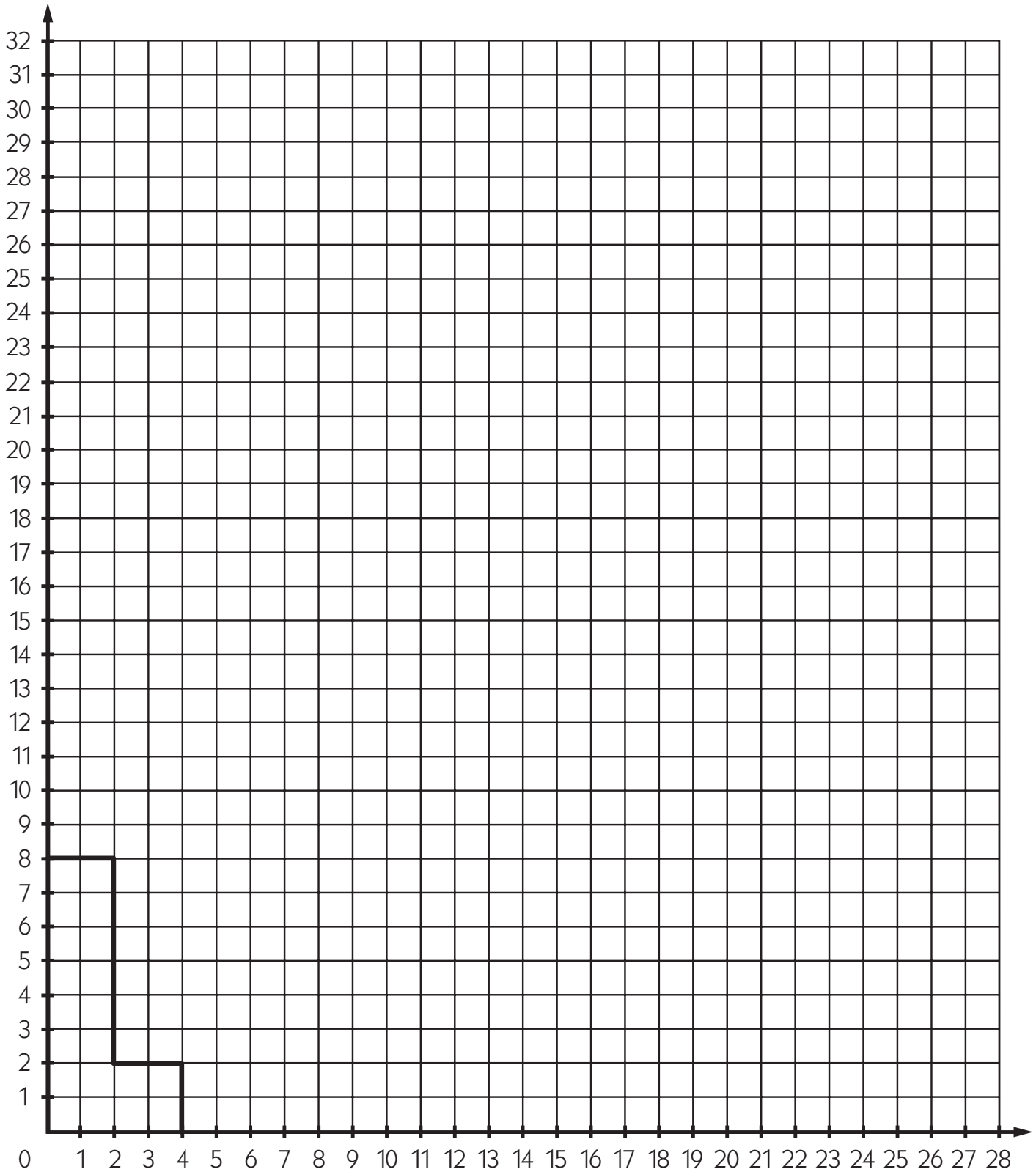
2a Use your tile to build a figure like this one, with one important difference. Make each of the sides exactly 3 times as long as they are in the figure shown here.



b Copy the figure you just built on square inch graph paper (page 76).

c Then on page 69, use words, labeled sketches, and numbers to describe your new figure. Be sure to show and write how many tile you used to make your new figure.

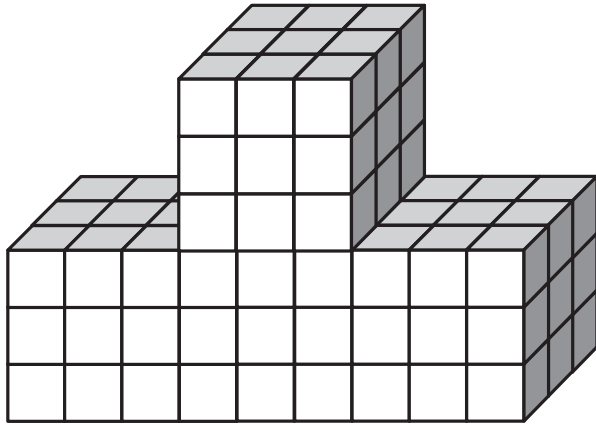
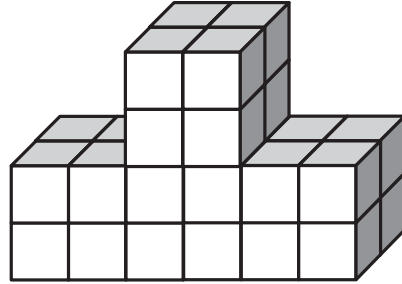
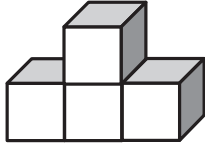
Similar Figures page 2 of 3



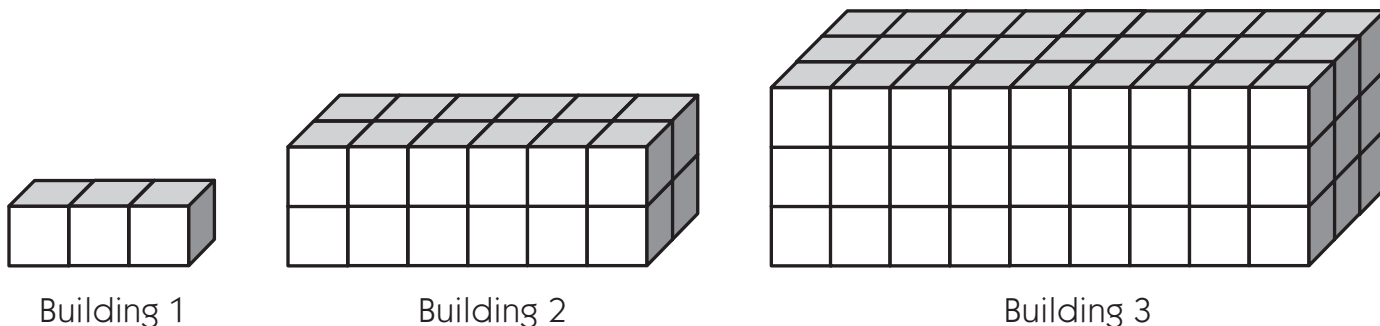
Similar Figures page 3 of 3

Describe your new figure:

Similar Buildings



Rectangular Solids



1 Compare and contrast these three cube buildings. How are they alike and how are they different?

2 Record your thoughts and observations in your journal.

3 What is the *volume* of each building in this sequence?

