

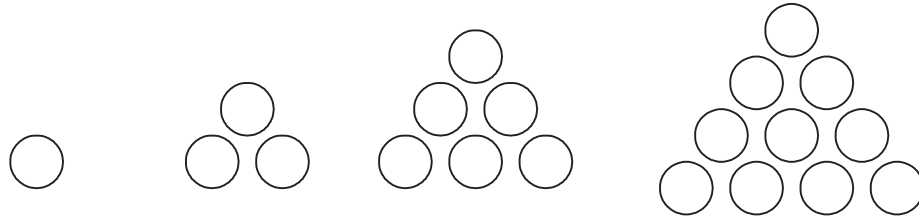
Guided Practice 11.5

NAME _____

Module 11 Transformation of Shapes
Lesson 5 Tessellations

Set 1

1 How many circles are in the 5th term of the sequence?

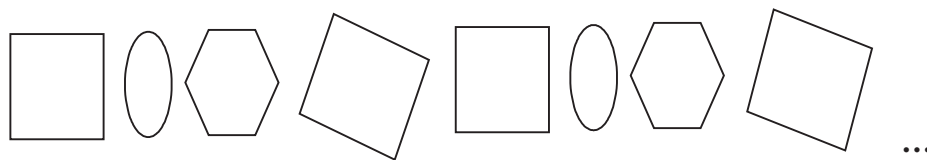


Term	Number
1	1
2	3
3	6
4	10
5	$10 + 5 = 15$

} +2
 } +3
 } +4
 } +5

There are 15 circles in the 5th term.

2 What is the 48th term of the sequence?

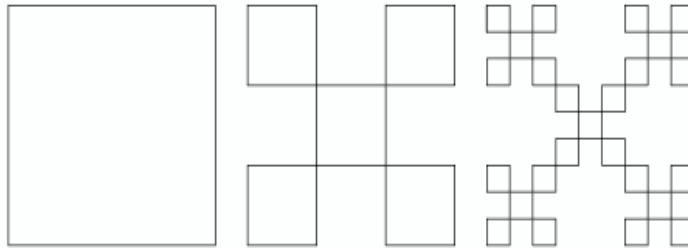


Each multiple of four is a rhombus.
48 is a multiple of 4.

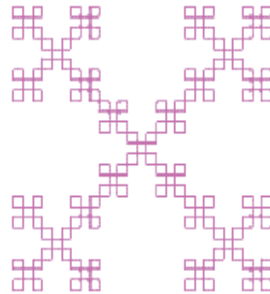
The 48th term is a , a rhombus.

3

We see the first three terms of a self-similar box pattern. Identify the rule for the pattern. Then, draw the fourth term.



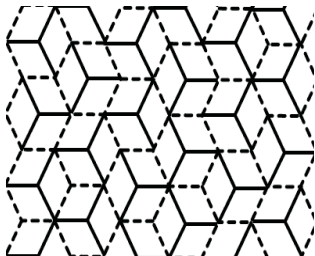
Divide a square into nine smaller squares and cut out the center side squares.



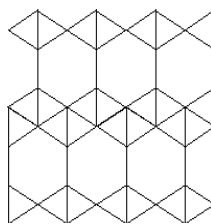
Set 2

1

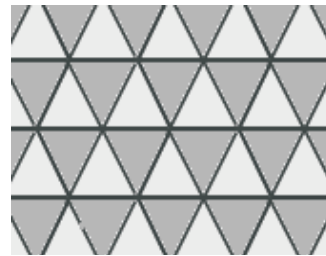
Tell whether each tessellation is regular, semi-regular, or neither.



Neither



Semi-Regular



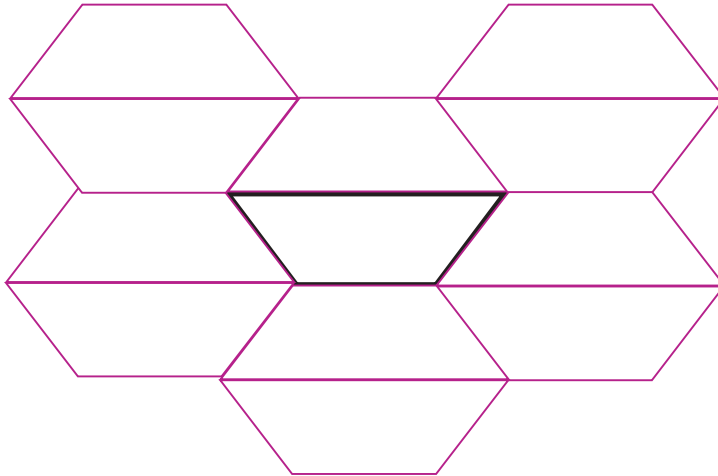
Regular

NAME _____

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2 Create a tessellation using the figure.

Possible answer:



3 Use the set of regular polygons to make a semi-regular tessellation.

Possible answer:

