

# EARLY ISLAMIC CIVILISATION GEOMETRIC PATTERNS

**LO:** TO EXPLORE AND DESIGN GEOMETRIC PATTERNS

# PATTERNS FROM THE ALHAMBRA IN SPAIN.

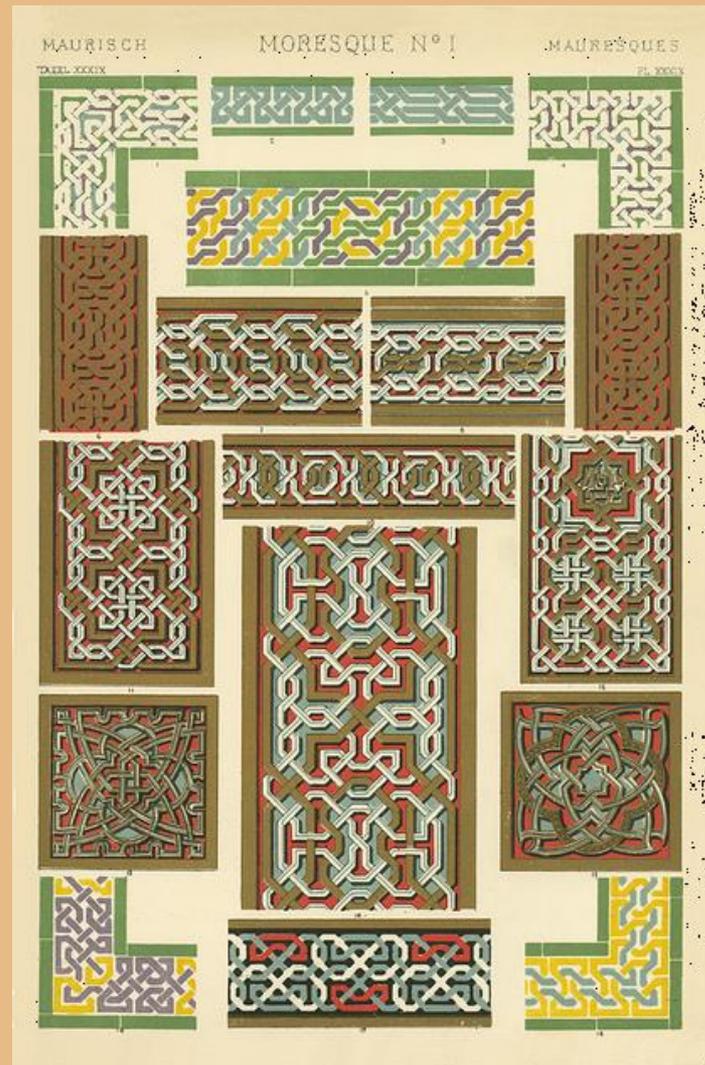
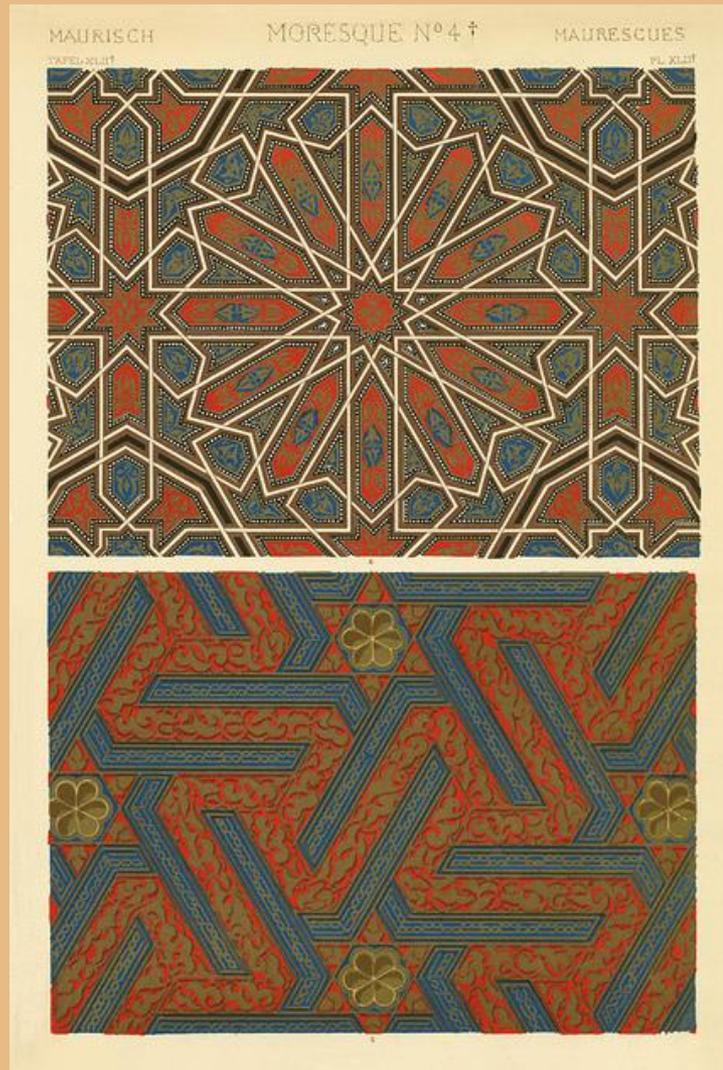


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THESE DESIGNS WERE TRACED  
FROM A COPY OF THE QURAN IN  
THE MOSQUE EL BARKOOKEYEH.



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## BAYT AL-KRATLIYAH - FLOOR MOSAICS



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## DOME, LOTFOLLAH MOSQUE, ISFAHAN



## BEN YOUSSEF MADRASAH, MARRAKECH

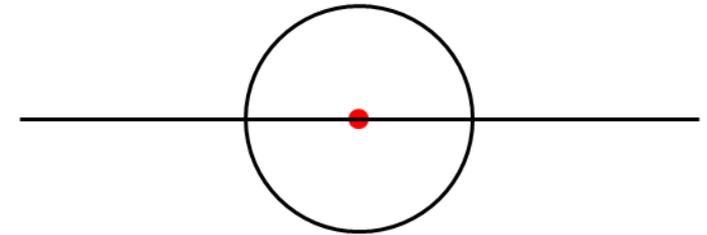


# SEVEN OVERLAPPING CIRCLES

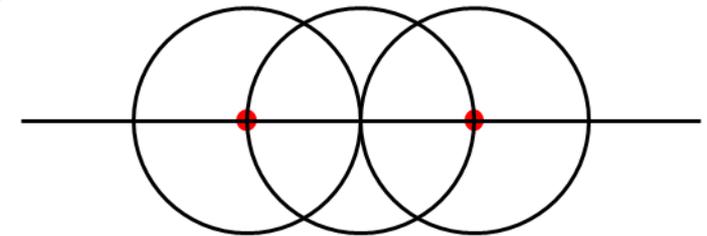
1 USE A RULER TO DRAW A STRAIGHT, HORIZONTAL LINE.



2 USE A COMPASS TO DRAW A CIRCLE.

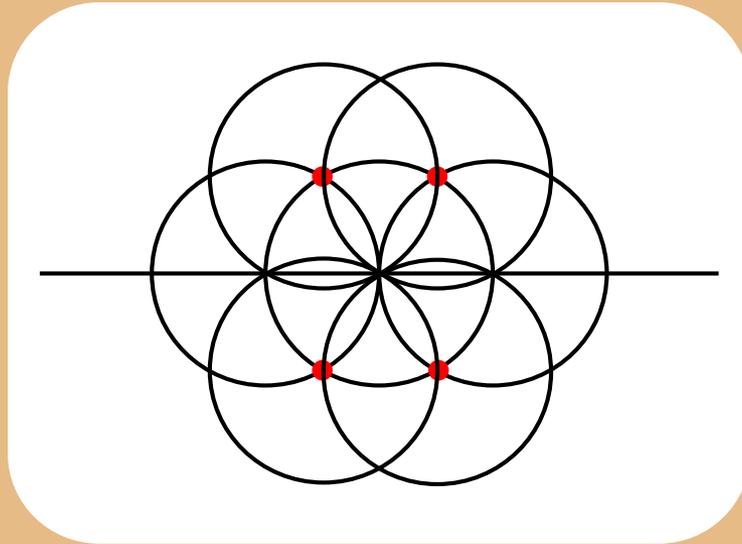


3 PUT THE POINT OF THE COMPASS WHERE THE LINES MEET TO DRAW TWO MORE CIRCLES EITHER SIDE OF THE FIRST.



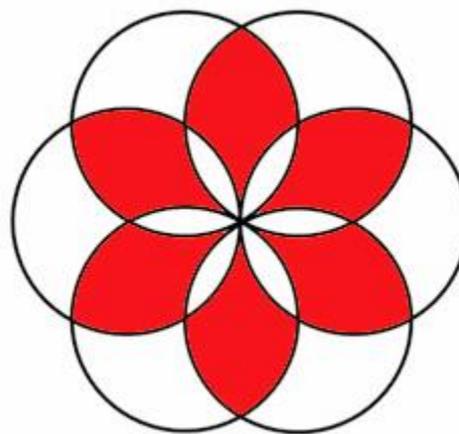
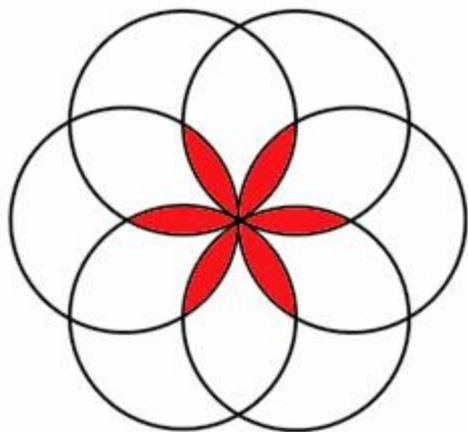
4

DRAW FOUR MORE IDENTICAL CIRCLES, PLACING THE COMPASS POINT WHERE THE CIRCLES MEET.

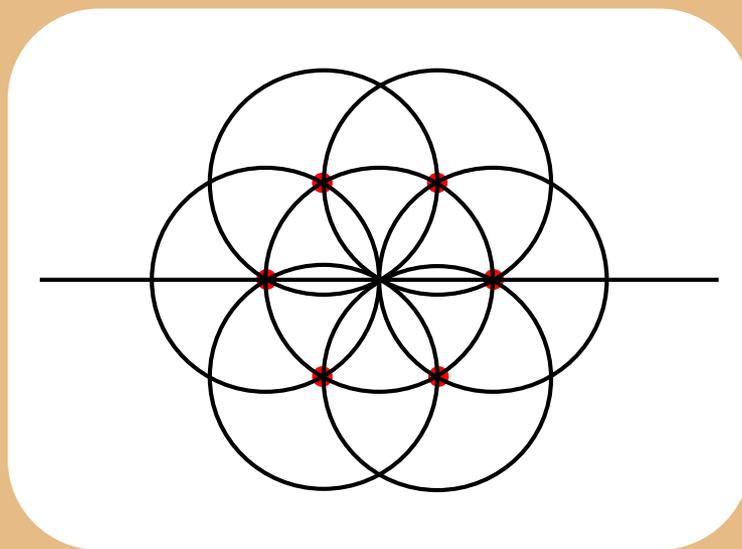


WHAT SHAPES CAN YOU NOW FIND INSIDE THIS MOTIF?

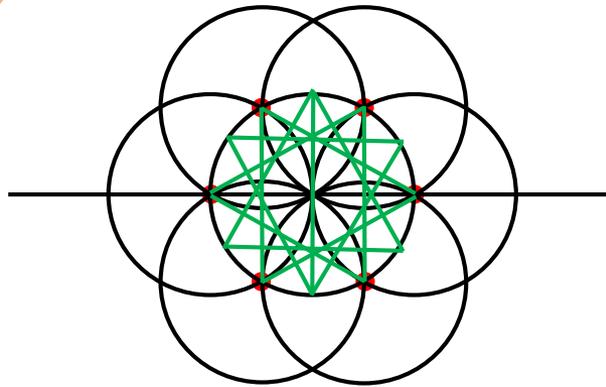
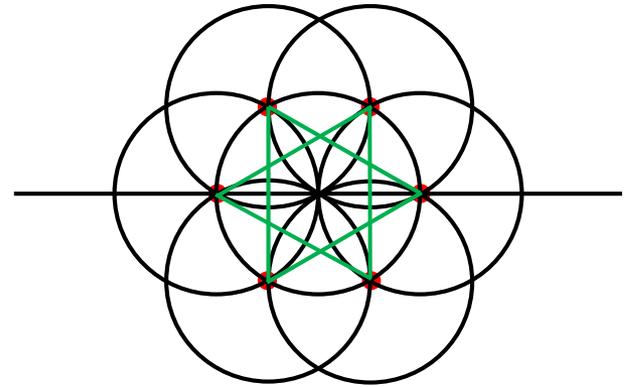
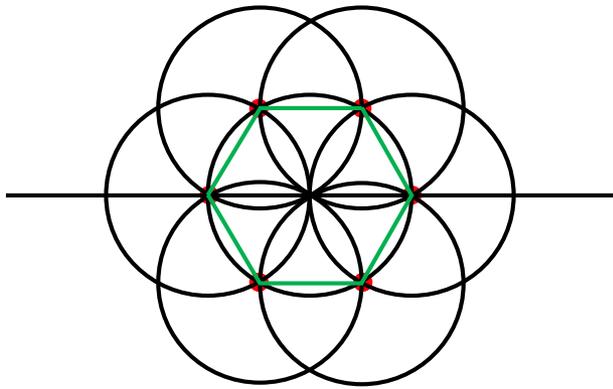
WHAT SHAPES CAN YOU NOW FIND INSIDE THIS MOTIF?



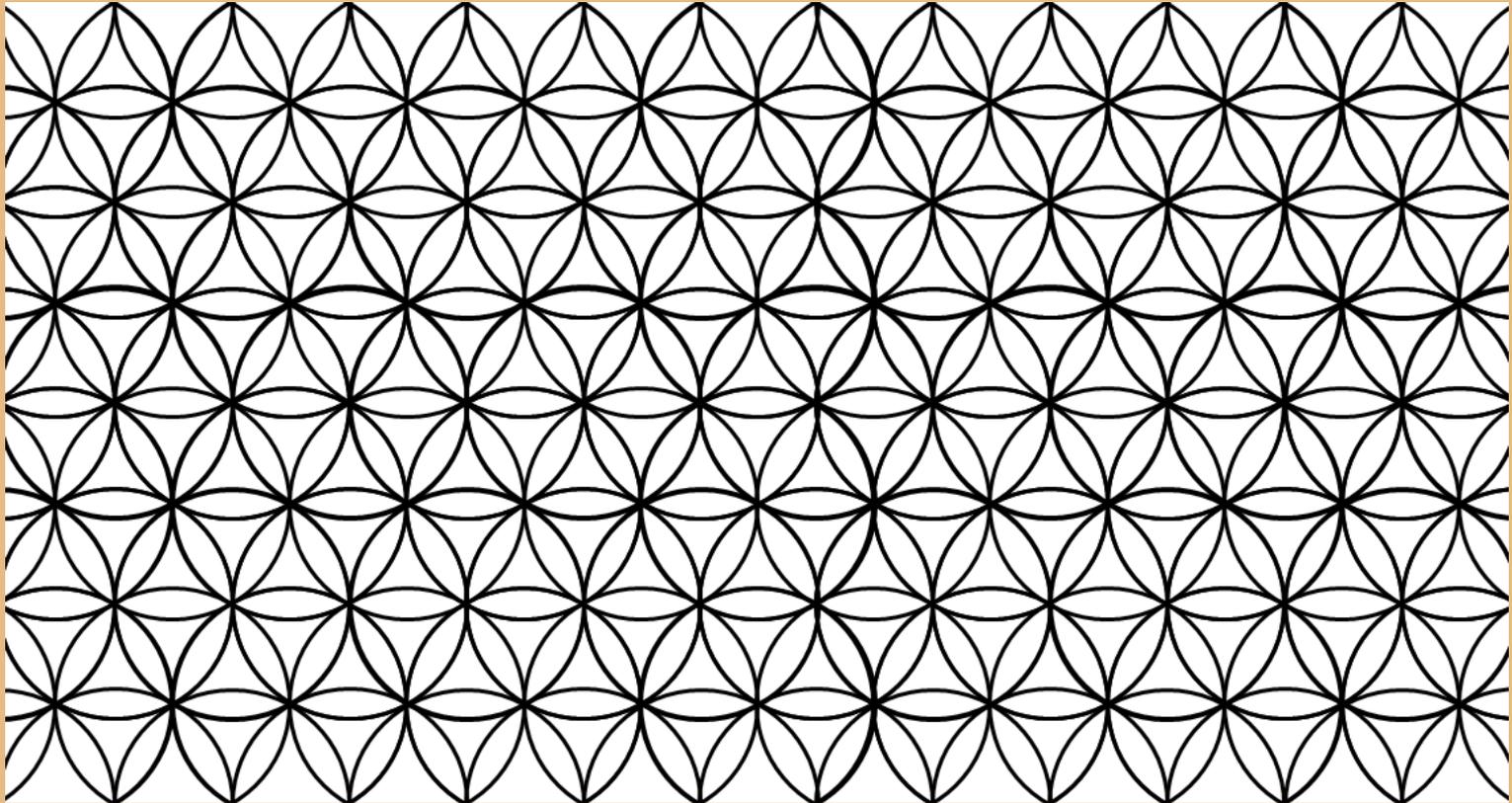
WHAT SHAPES CAN YOU FIND INSIDE THIS MOTIF BY CONNECTING INTERSECTING LINES WITH STRAIGHT LINES?



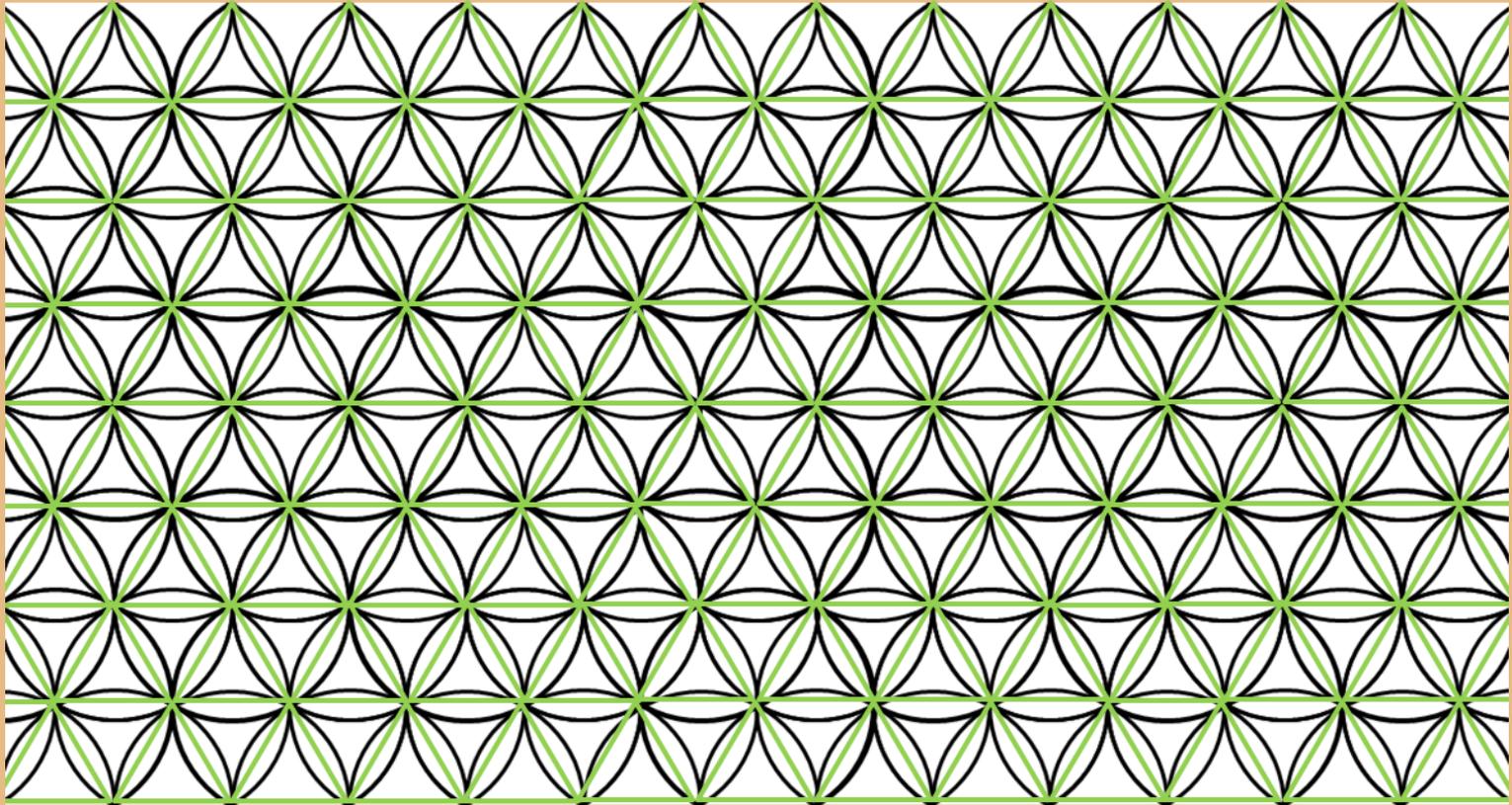
WHAT SHAPES CAN YOU FIND INSIDE THIS MOTIF BY CONNECTING INTERSECTING LINES WITH STRAIGHT LINES?



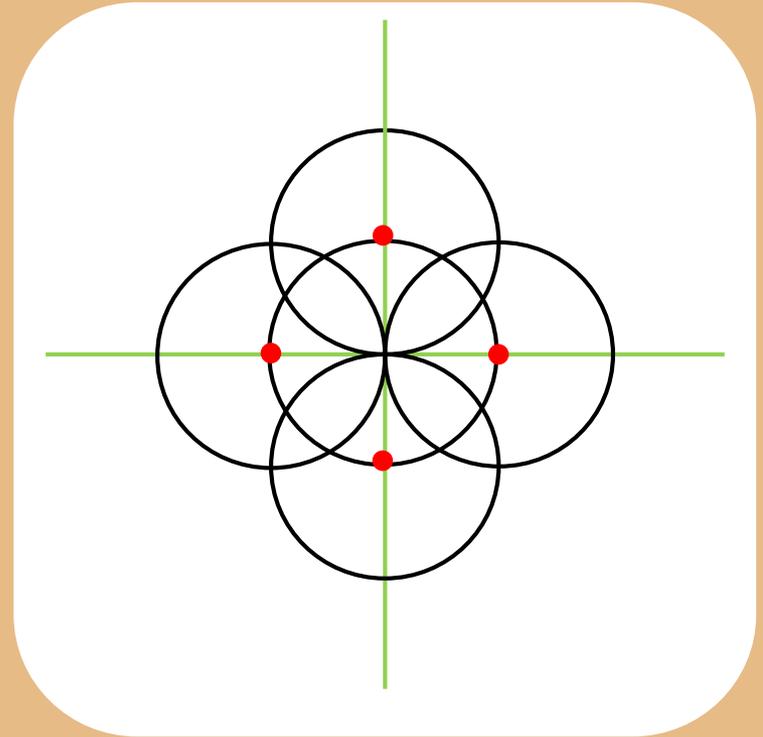
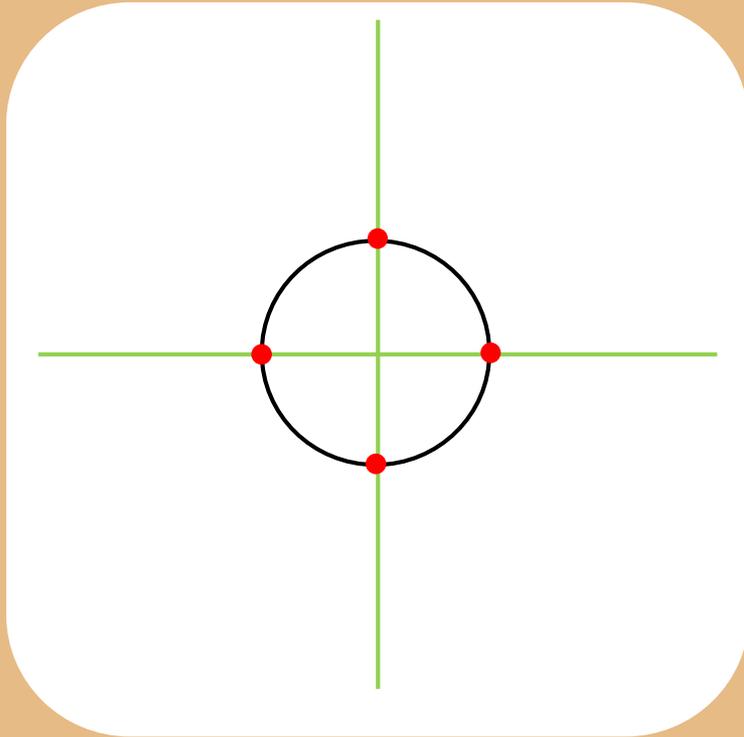
REPEAT THE MOTIF TO CREATE LARGER PATTERNS.



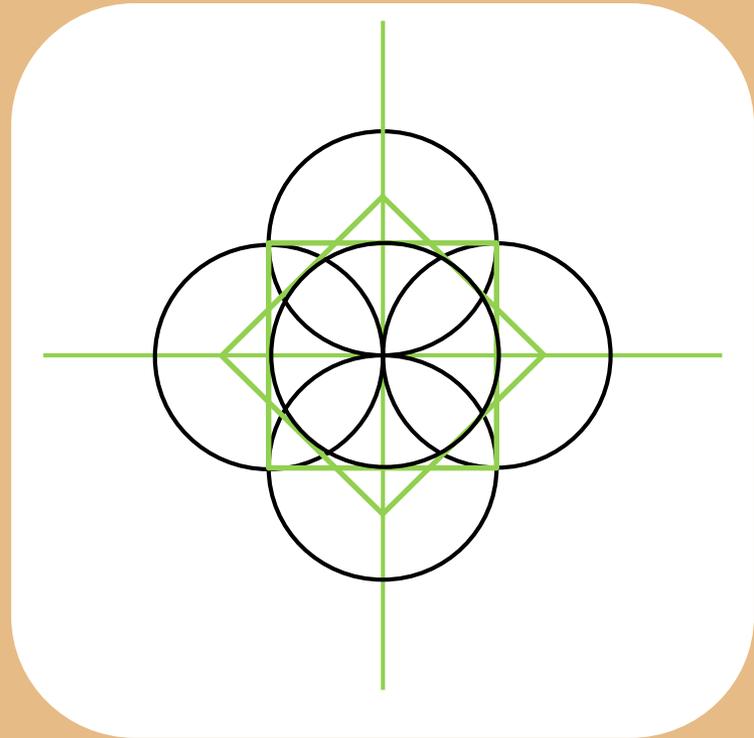
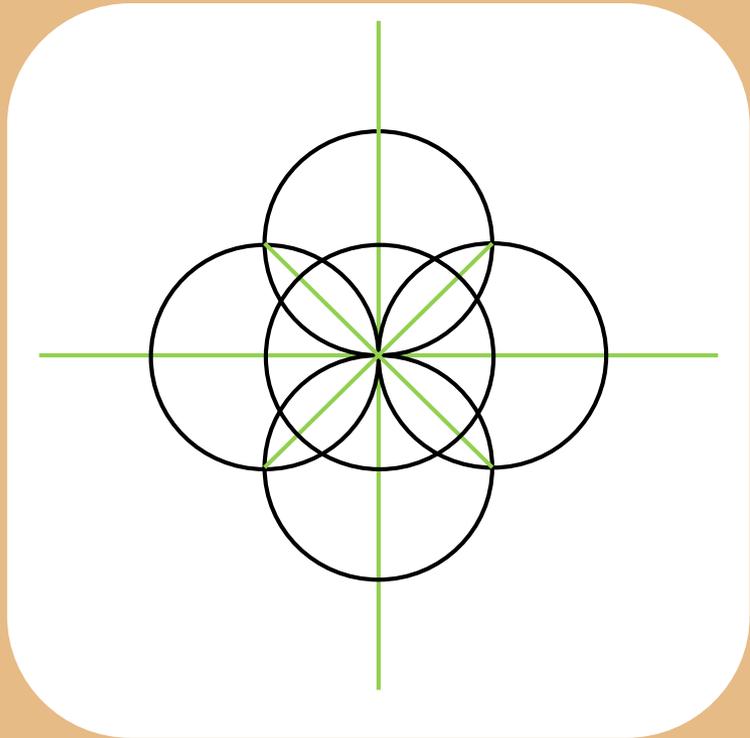
CONNECTING THE INTERSECTING LINES WILL GIVE YOU A  
TRIANGULAR GRID.

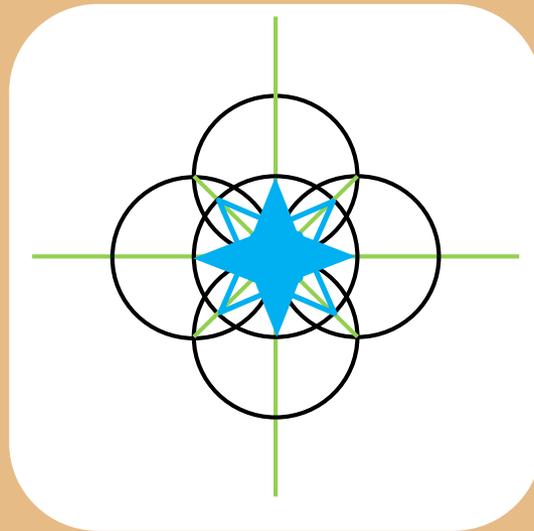
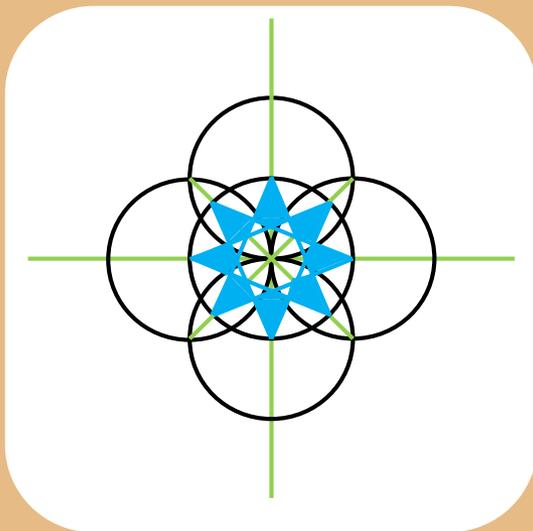
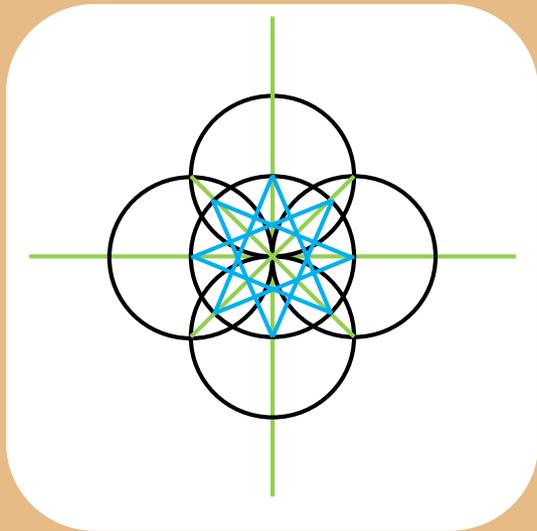


USING TWO PERPENDICULAR STRAIGHT LINES AND OVERLAPPING FIVE CIRCLES INSTEAD OF SEVEN WILL GIVE YOU A DIFFERENT MOTIF AND GRID.

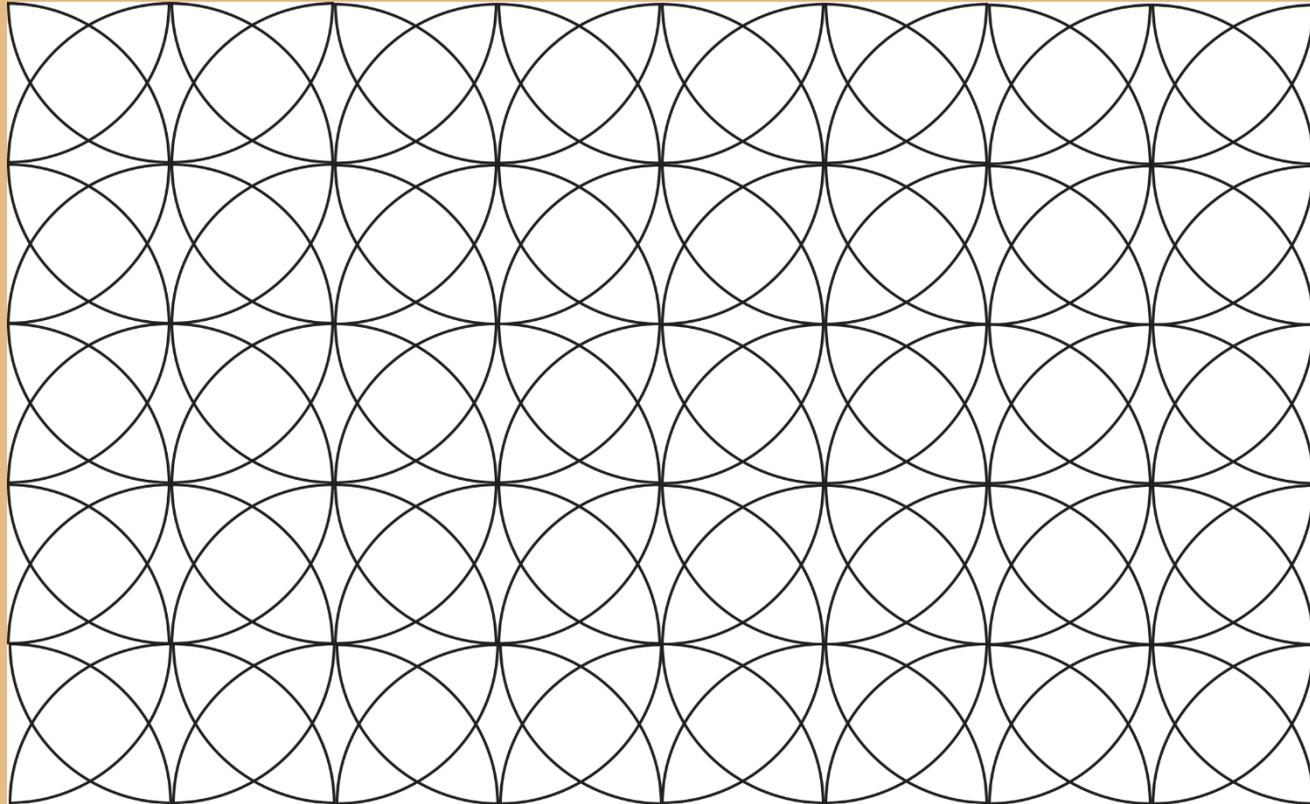


DRAWING MORE STRAIGHT LINES TO JOIN INTERSECTING LINES  
GIVES US MORE POINTS TO USE.

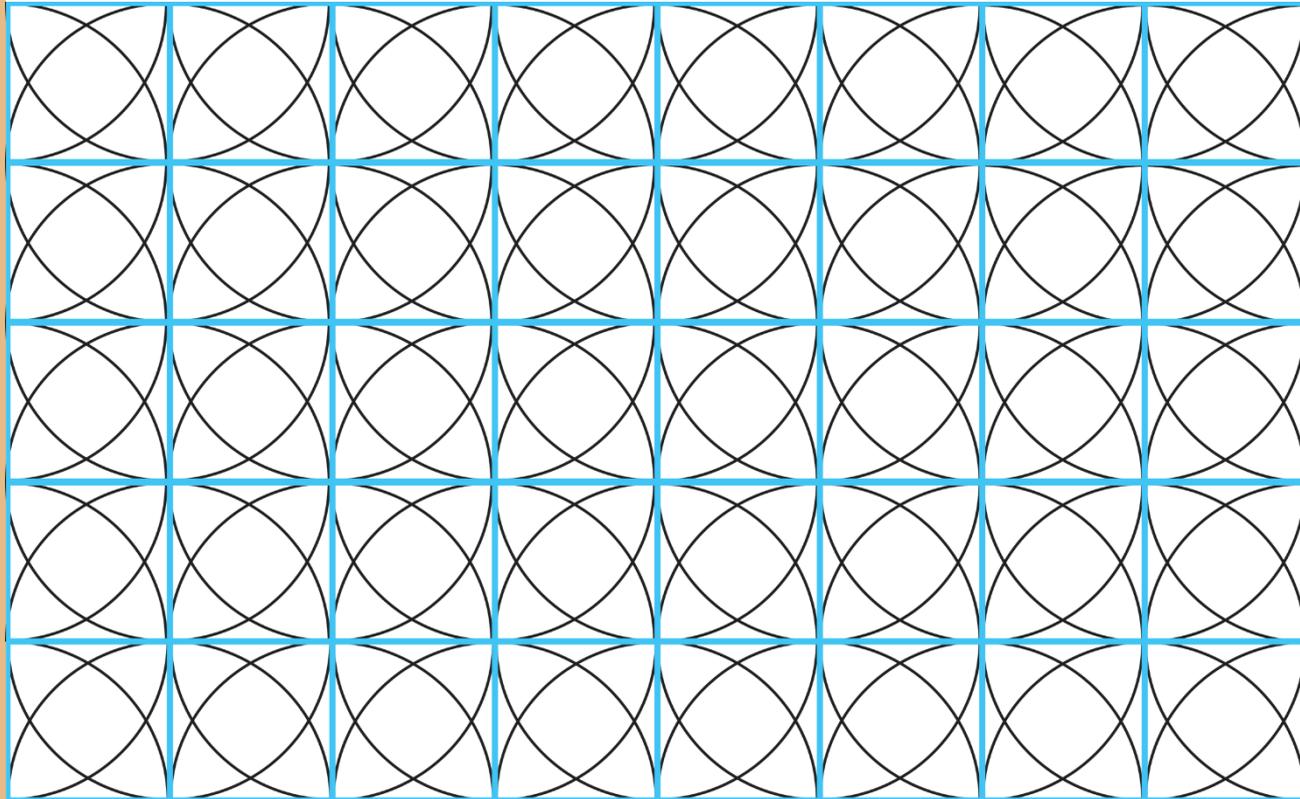




REPEATING THIS MOTIF MAKES IT POSSIBLE TO CREATE LARGER PATTERNS.



CONNECTING THE INTERSECTING LINES WILL GIVE YOU A SQUARE  
GRID.



# TASKS:

FOLLOW THE INSTRUCTIONS AND USE A RULER, COMPASS AND PENCIL TO DRAW YOUR OWN FIVE OR SEVEN OVERLAPPING CIRCLES. USING A RULER CONNECT INTERSECTING LINES THEN SHADE IN AREAS TO CREATE YOUR OWN MOTIF.

**OR**

USE A PRE-DRAWN GRID TO CREATE YOUR OWN MOTIFS THEN SELECT TWO OR THREE MOTIFS TO DESIGN A REPEATING PATTERN.

**THE END**