



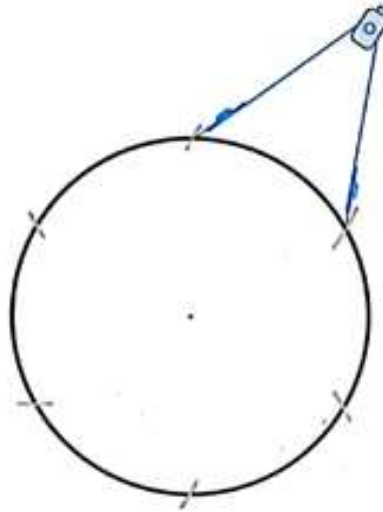
Name: _____

Arts and crafts - Primary Education: sixth grade. Date: _____

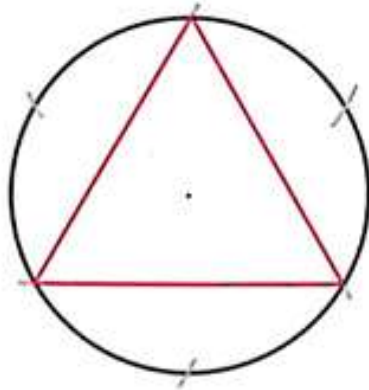
Inscribed triangles.



1.- Draw a circle and make a mark on the circumference.

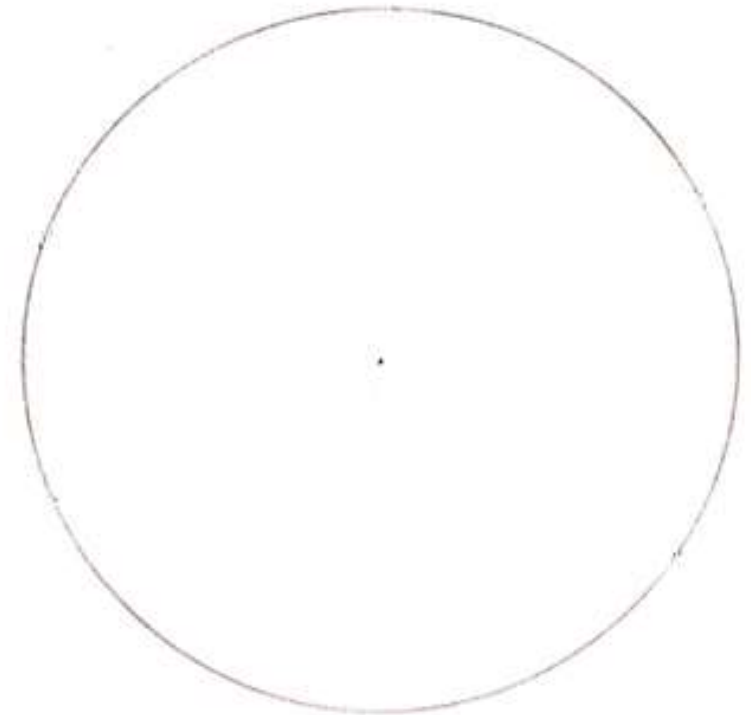


2.- Set the compass to the radius of the circle and divide the circumference into six equal parts.



3.- Connect every other mark with straight lines to draw an equilateral triangle.

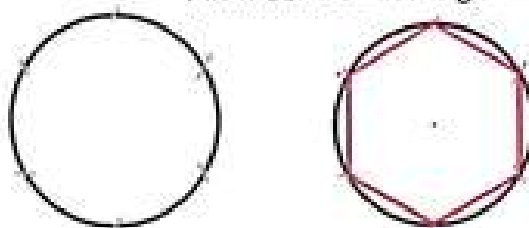
Draw an inscribed triangle below. Then, connect the remaining marks to form another triangle. Look at the resulting picture. What shape have you obtained? Trace over the lines with your markers and colour the rest with pencils.





An inscribed hexagon.

Follow steps 1 and 2 and then connect each mark to the mark next to it to form a hexagon.



Now follow these steps to design a regular tessellation.

We can use an inscribed hexagon to make a regular tessellation. Look at the steps below and you will see it is not difficult. Draw straight lines going outward from the centre and passing through the vertices. Then, make marks on the lines using your compass set to the length of the radius. Finally, extend the lines and make marks as shown in pictures 3 and 4.

