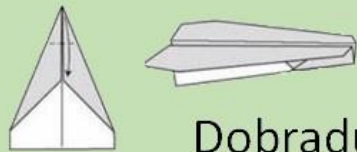
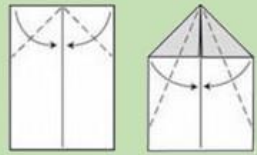


Construção de Material Didático

Matemática com a folha de papel



Carga Horária: 40 horas

Público:
Professores e Graduandos
de Licenciatura em Matemática

Dobraduras Planificações

Tangram Circulo Trigonométrico

Construções Geométricas



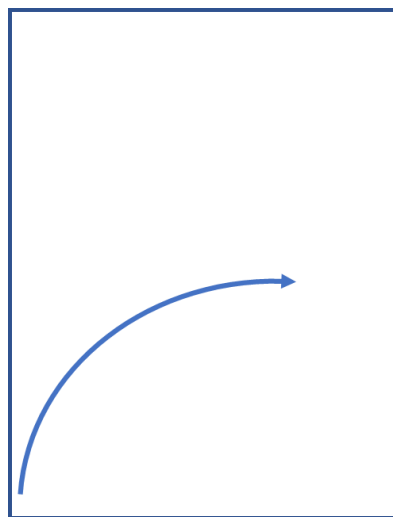
AULA 17

Prof. Dr. Osvaldo dos Santos Barros
www.osvaldosb.com

Gradeamento do Quadrado

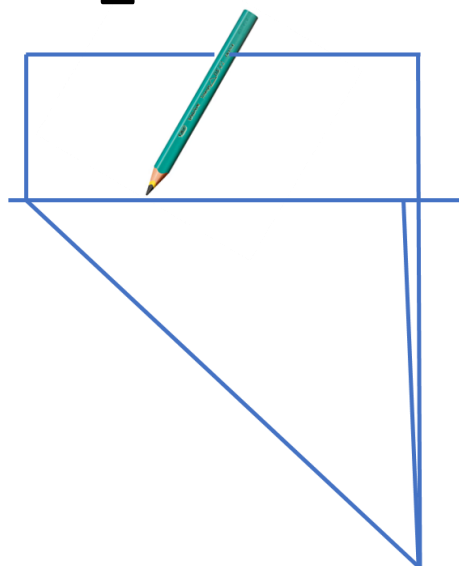
A partir de uma folha de papel, construa um quadrado.

1



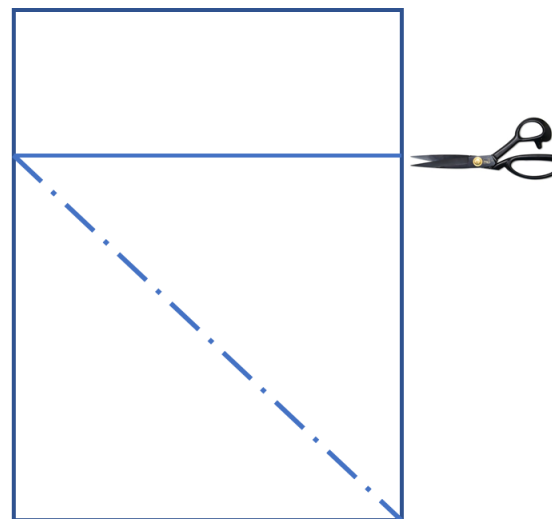
O lado menor se sobrepõe ao lado maior

2



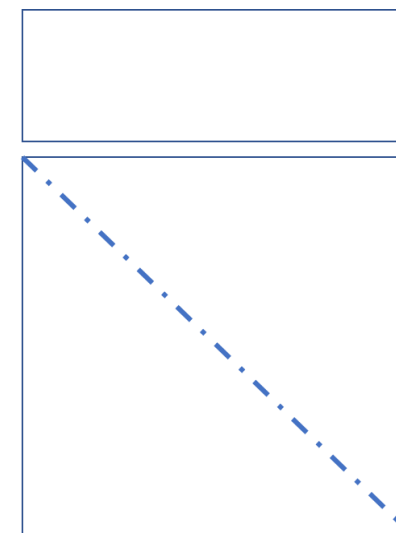
Usar um lápis para marcar onde será cortado

3



Cortar onde foi marcado, o vinco já marca a diagonal do quadrado

4

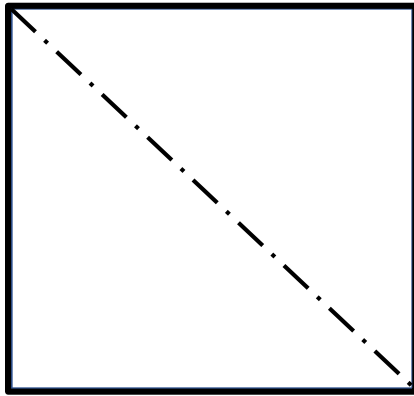


Cortar onde foi marcado e guardar a parte que tem o formato de um retângulo

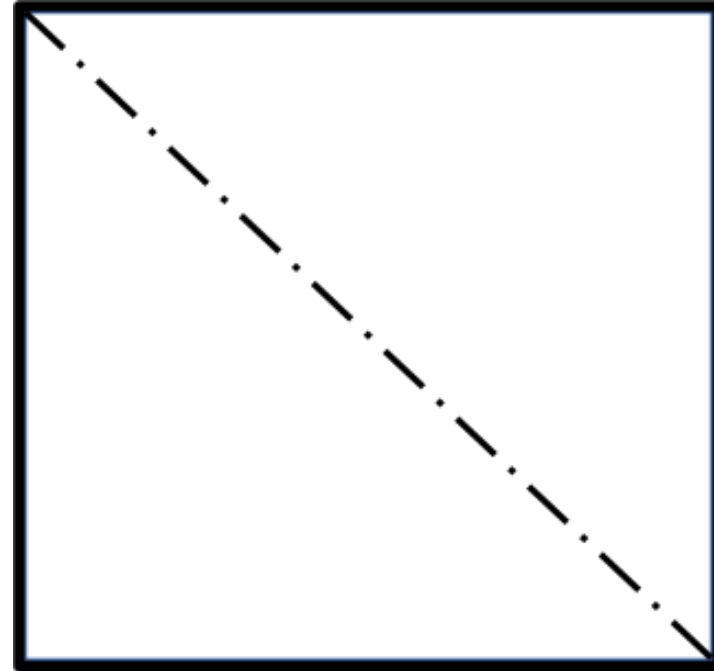
Gradeamento do Quadrado

A partir de uma folha de papel, construa um quadrado.

5



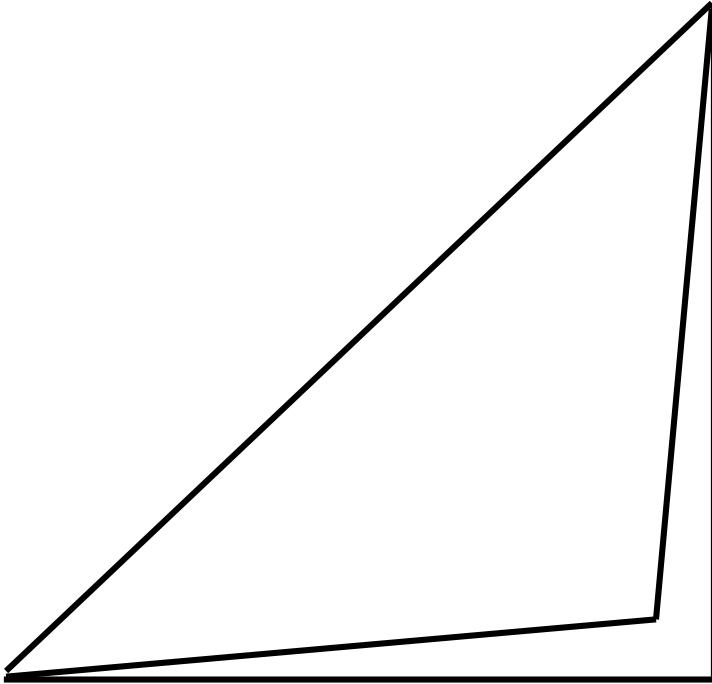
O quadrado



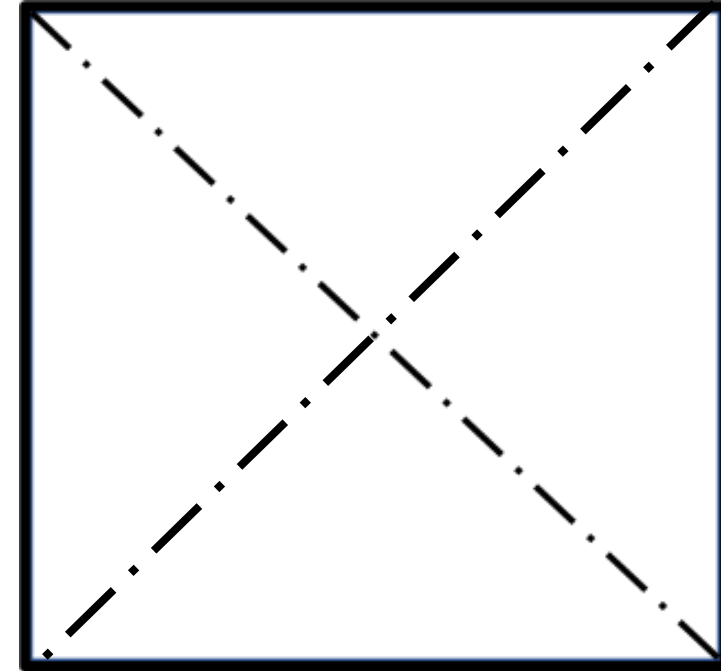
Temos uma diagonal a parti do vinco formado.

Gradeamento do Quadrado

Registrando as diagonais do quadrado.



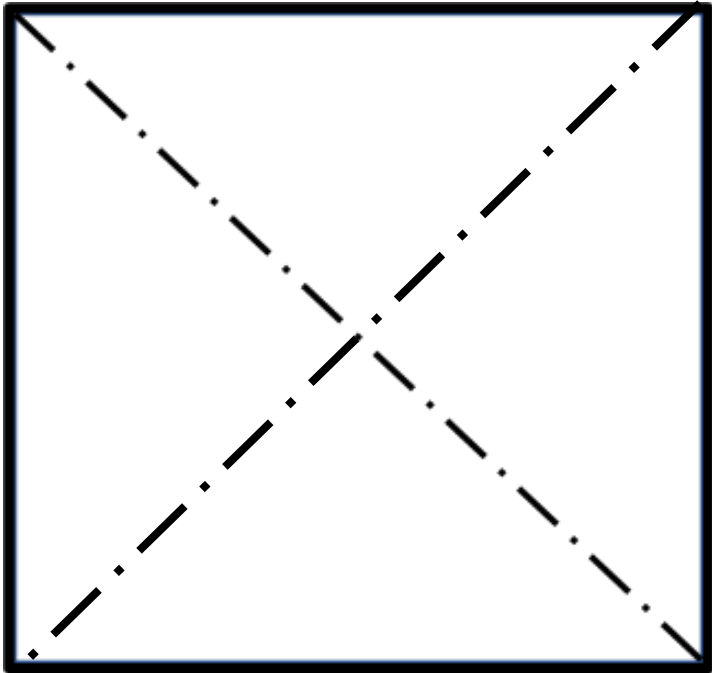
Para construir a segunda diagonal, basta unir os vértices da diagonal que já existe.



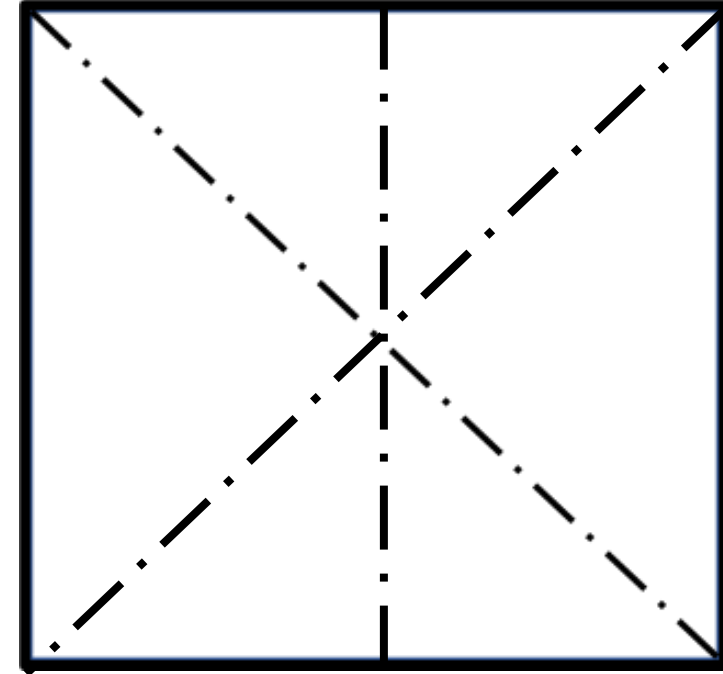
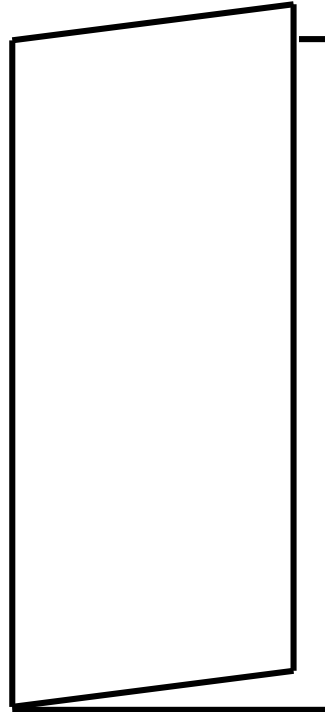
Os vincos formam as duas diagonais.

Gradeamento do Quadrado

Registrando as medianas do quadrado.



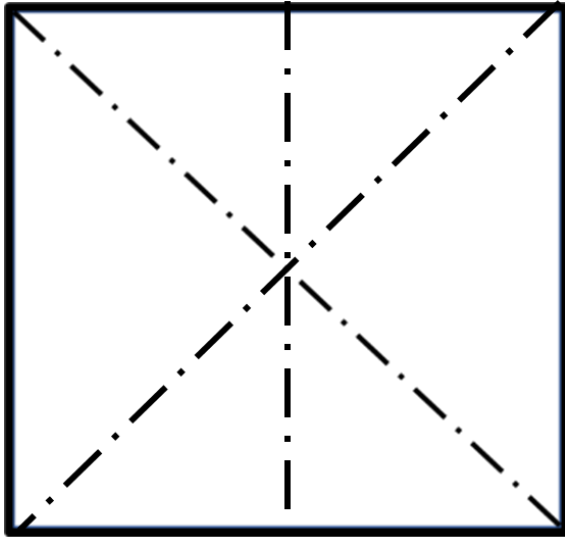
Para construir a MEDIANA, basta unir os lado esquerdo e direito do quadrado.



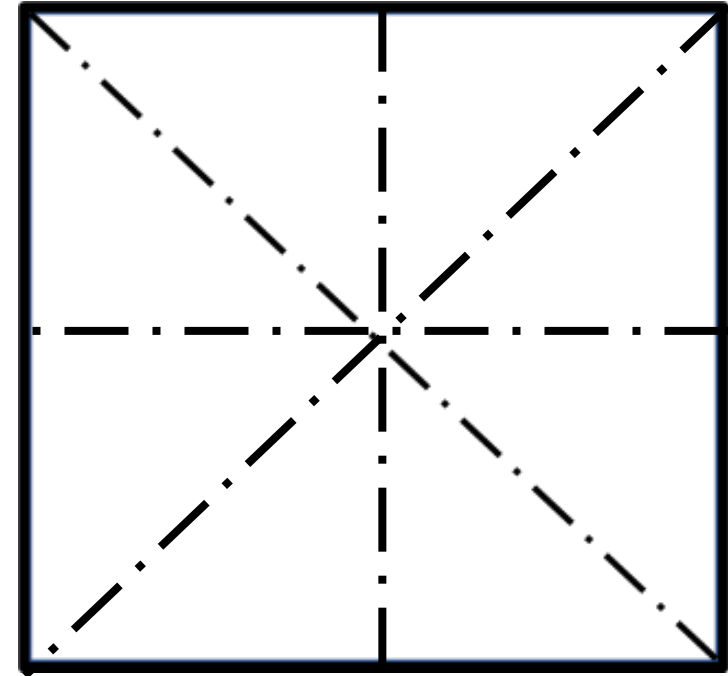
Os vincos formam as duas diagonais e mais a mediana vertical

Gradeamento do Quadrado

Registrando as medianas do quadrado.



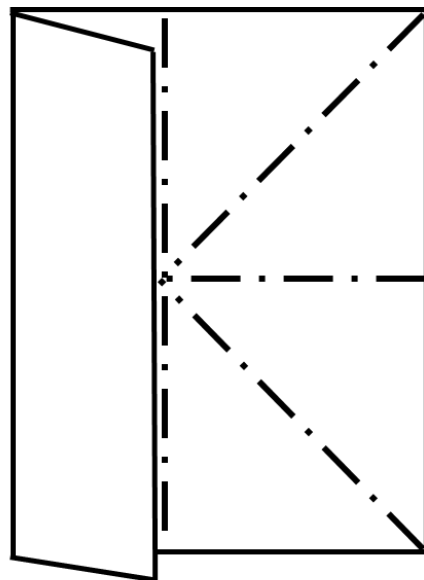
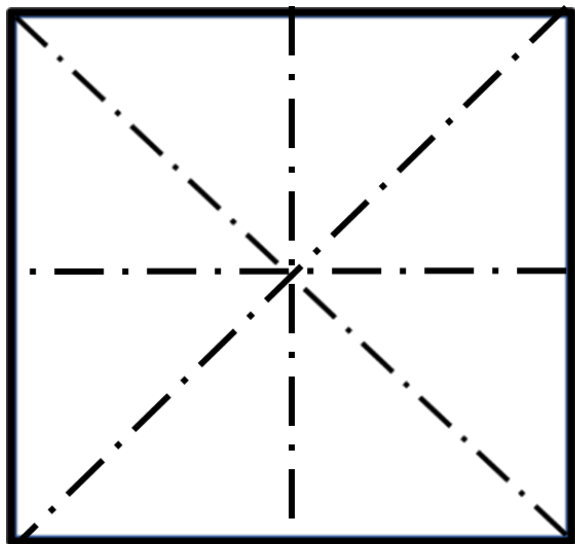
Para construir a segunda mediana, basta unir os lados superior e inferior do quadrado.



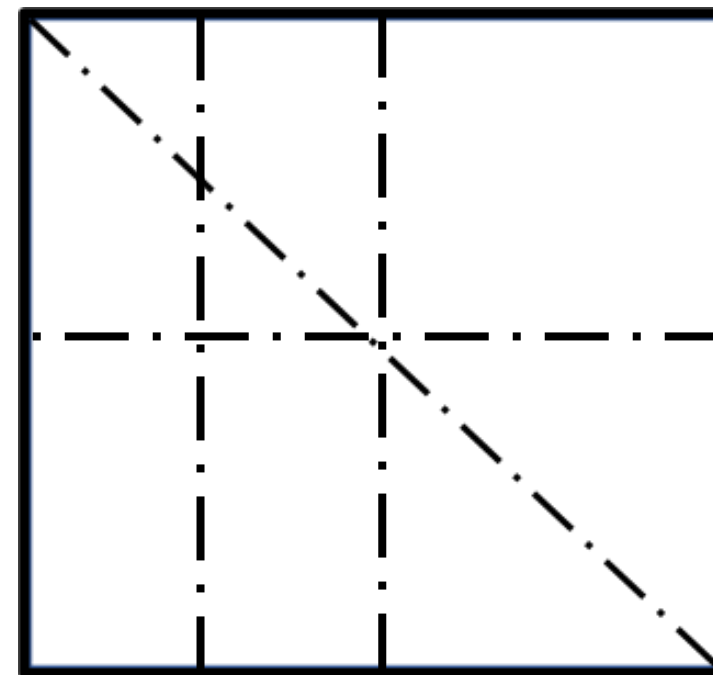
Os vincos formam as duas diagonais e duas medianas.

Gradeamento do Quadrado

Registrando outras medianas verticais.



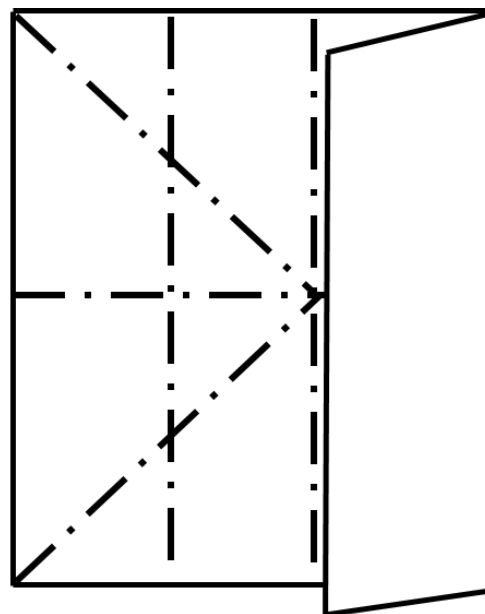
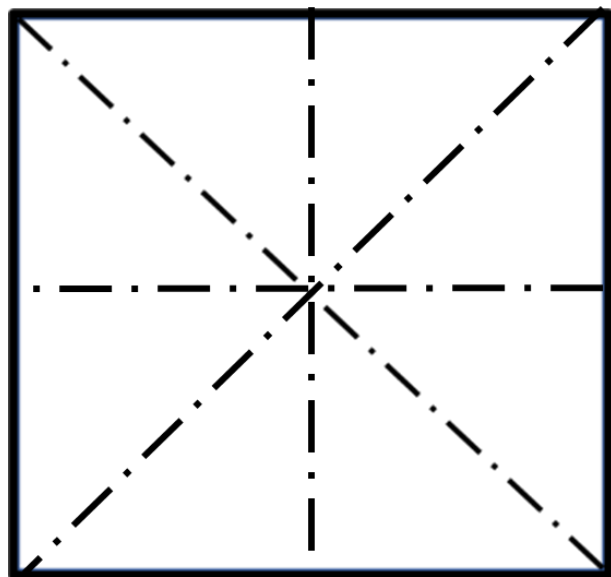
Coloque o lado sobre a mediana vertical.



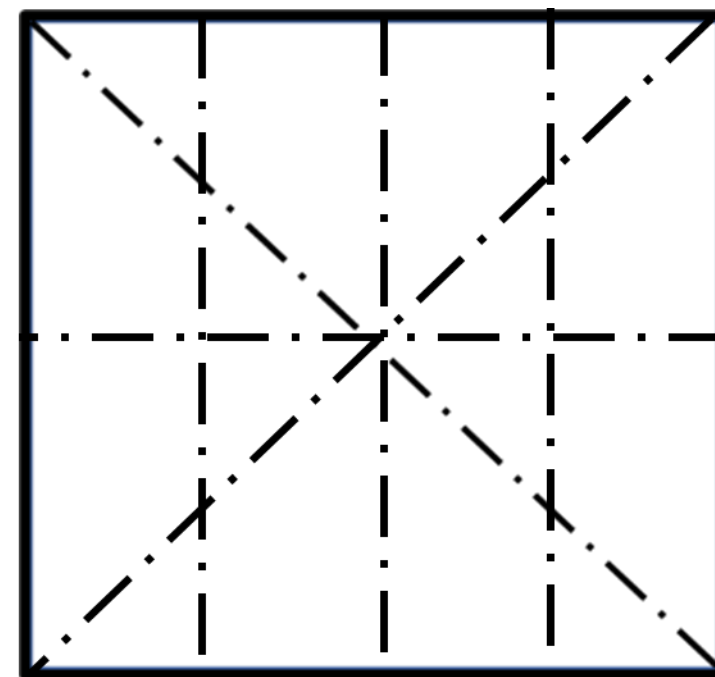
Surge uma linha vertical paralela à mediana

Gradeamento do Quadrado

Registrando outras medianas verticais.



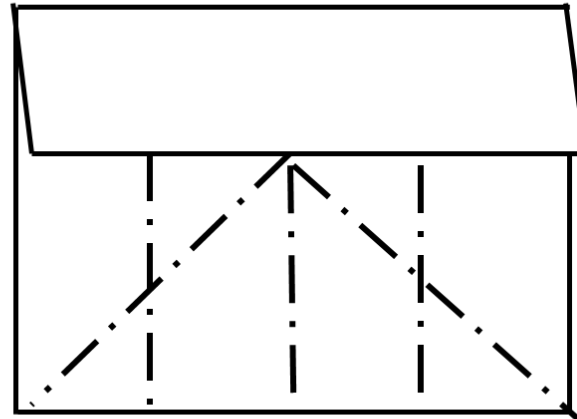
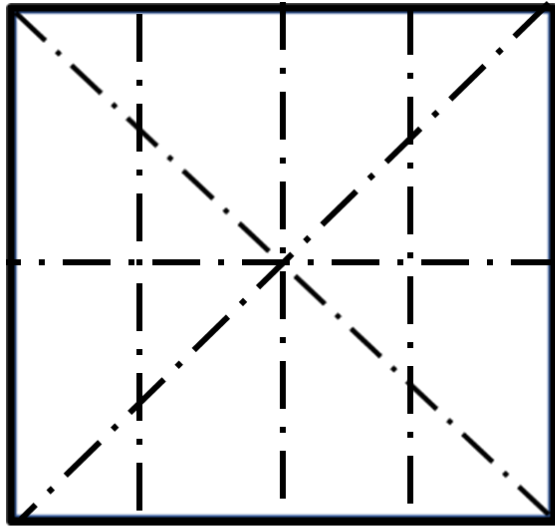
Repita o processo pela outro lado.



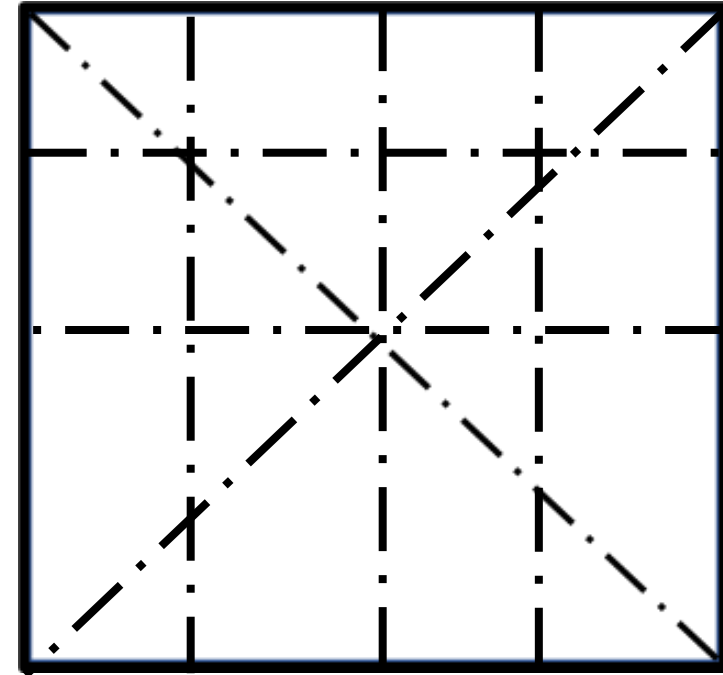
Surge outra linha vertical paralela à mediana

Gradeamento do Quadrado

Registrando outras medianas horizontais.



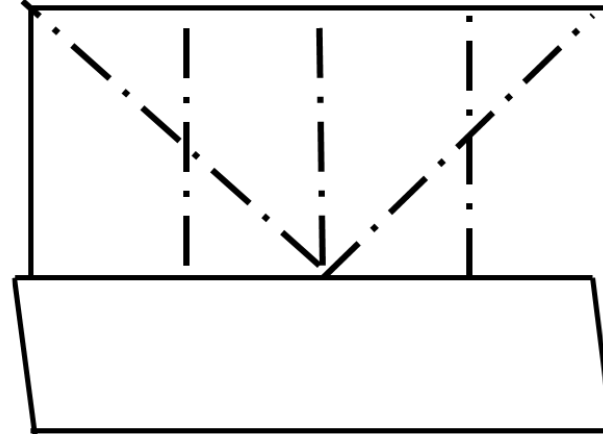
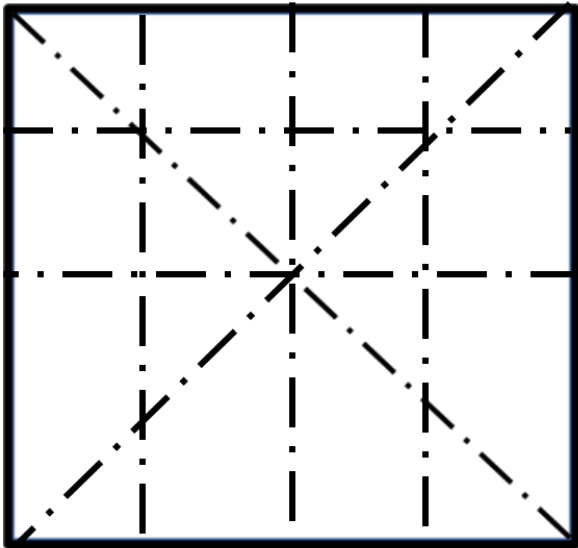
Vamos fazer a construção das linhas verticais, repetindo o processo.



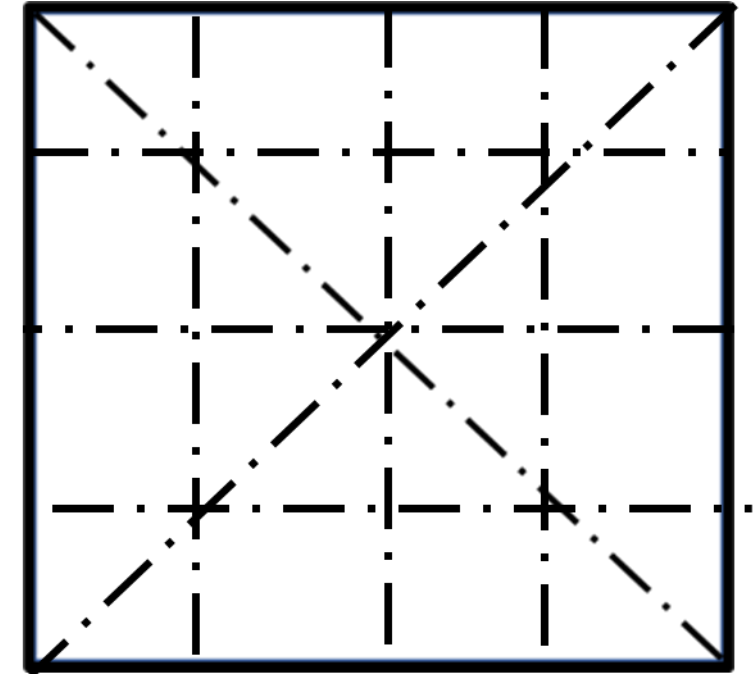
Os vincos verticais são construídos.

Gradeamento do Quadrado

Registrando outras medianas horizontais.



Repetindo o processo com o lado inferior.



Agora temos a grade de vincos que divide o quadrado 16 partes iguais.