

The Wonderful World of Area

Rectangle/Parallelogram
 $A = \text{base} \times \text{height}$

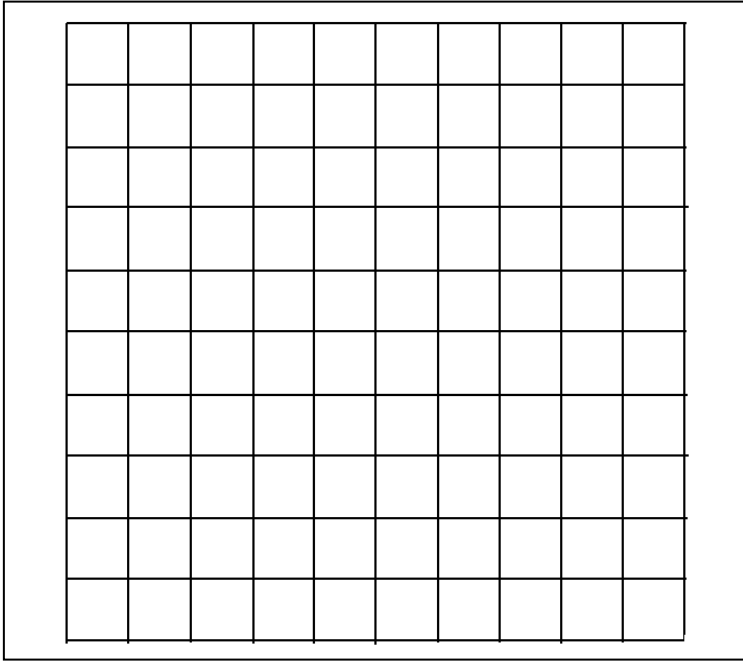
Triangle
 $A = \frac{\text{base} \times \text{height}}{2}$

Trapezoid
 $A = \frac{\text{height}(\text{base}_1 + \text{base}_2)}{2}$

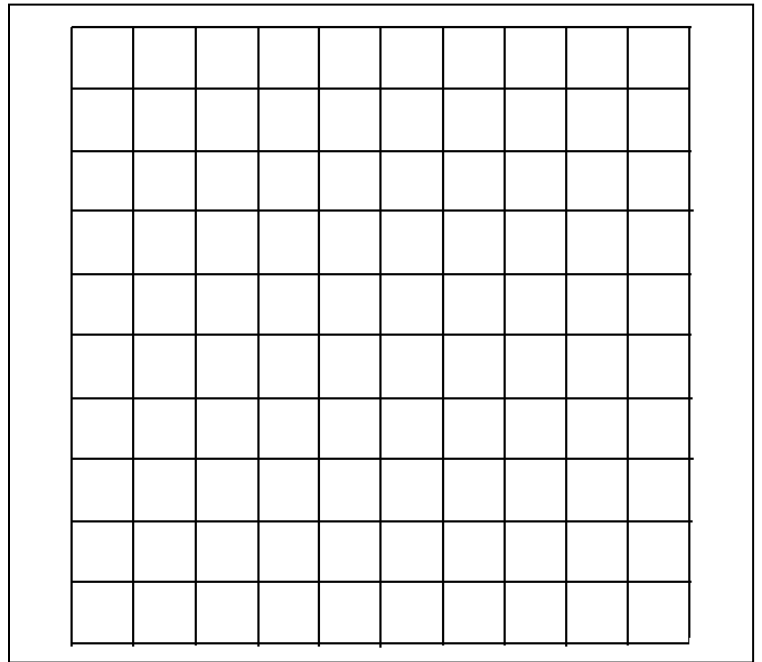
Rhombus/Kite
 $A = \frac{\text{diagonal}_1 \times \text{diagonal}_2}{2}$

Your mission is to construct each of the following figures with the given conditions on the centimeter grid provided. **BE SURE TO LABEL THE BASE(S) AND HEIGHT!**

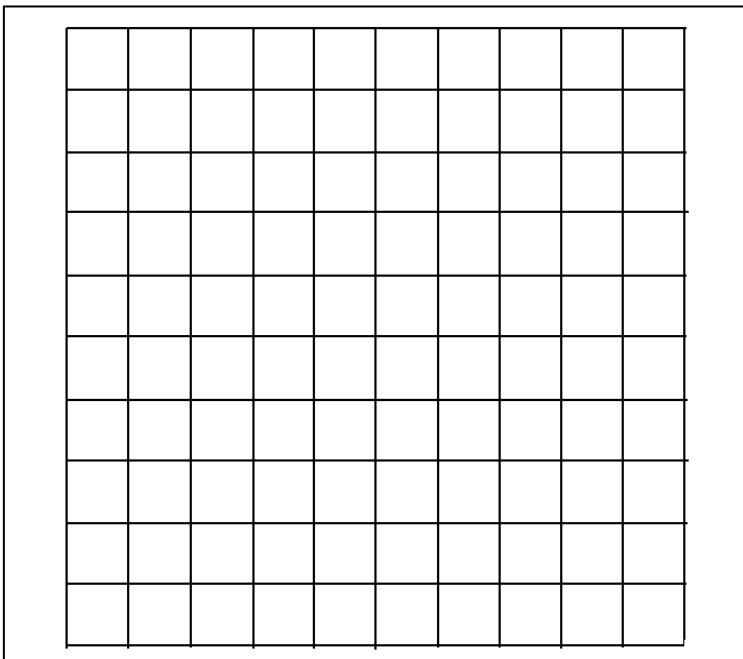
1. **Rectangle with area of 24 square centimeters.**



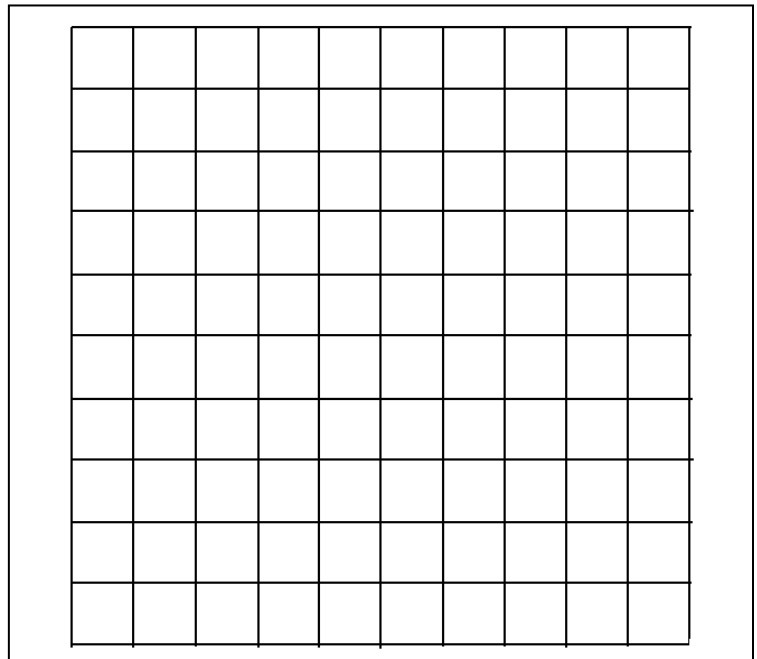
2. **Right triangle with area of 10 square centimeters.**



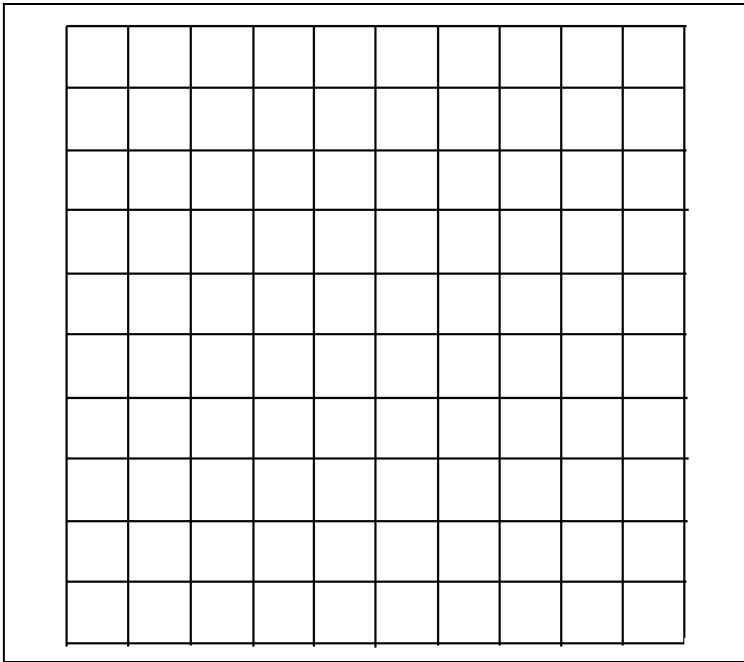
3. **Parallelogram which is not a rectangle or rhombus with area of 18 square centimeters.**



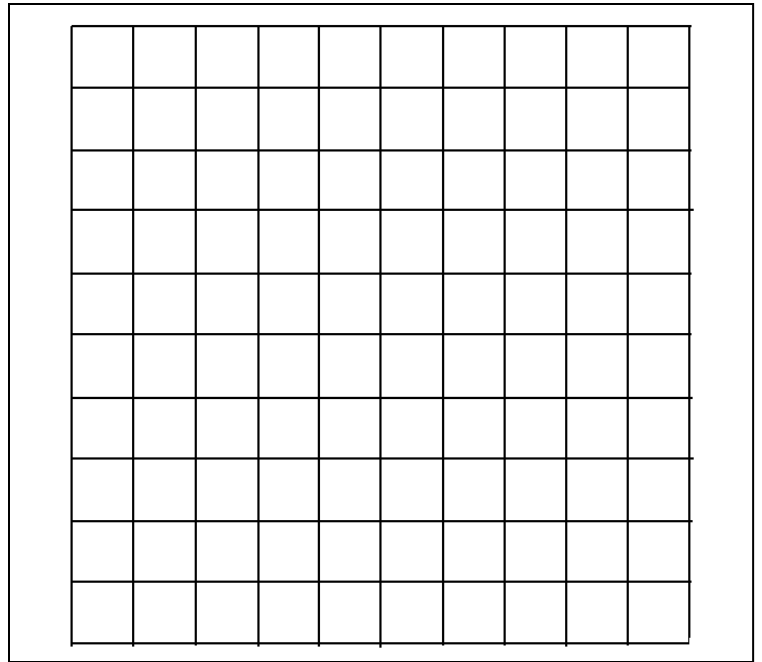
4. **Trapezoid with area of 15 square centimeters.**



5. Rhombus that is not a square with area of 12 square centimeters.

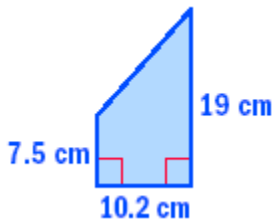


6. Kite with area of 27 square centimeters.



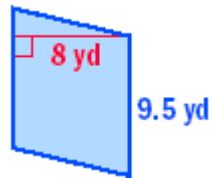
Find the area of each of the following figures.

7. Trapezoid



Area = _____

8. Parallelogram



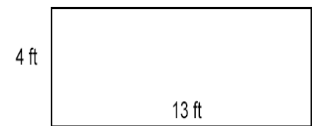
Area = _____

9. Triangle



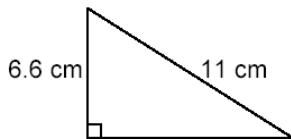
Area = _____

10. Rectangle



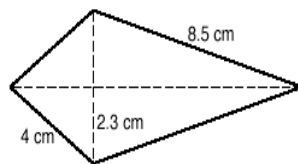
Area = _____

11. Triangle



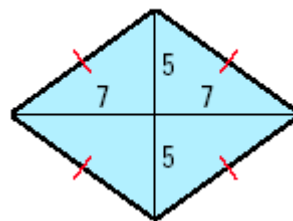
Area = _____

12. Kite



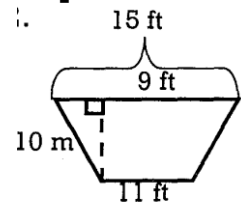
Area = _____

13. Rhombus



Area = _____

14. Trapezoid



Area = _____