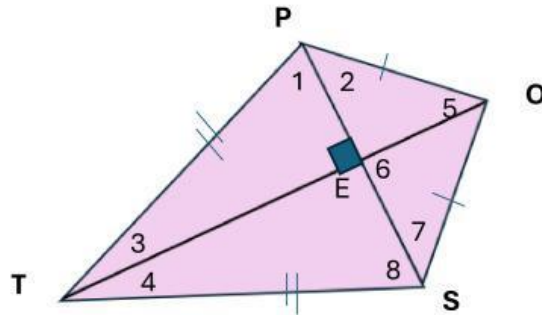


### ACTIVITY 3

Refer to kite **POST** and answer the following questions.



1. If  $PO=9$  cm, then  $OS=$  \_\_\_\_\_ cm.
2. If  $PT=11$  cm, then  $ST=$  \_\_\_\_\_ cm.
3. If  $PE=6$  cm, then  $PS$  is \_\_\_\_\_ cm.
4. If  $TO$  is 18cm, $PS =10$  cm, then What is the area of kite **POST**?  
\_\_\_\_\_  $cm^2$ .
5. If the area is 100 square centimeters and  $PS= 8$  cm, then how long is  $TO$ ?  
\_\_\_\_\_ cm.
6. If  $m\angle 1 = 65$  degrees, then
  - a. what is  $m\angle 3$ ? \_\_\_\_\_ degrees
  - b. What is  $m\angle 4$ ? \_\_\_\_\_ degrees
  - c. What is  $m\angle 8$ ? \_\_\_\_\_ degrees
7. If  $m\angle 2 = 48$  degrees, then
  - a. What is  $m\angle 7$ ? \_\_\_\_\_ degrees
  - b. What is  $m\angle 5$ ? \_\_\_\_\_ degrees

**Choose your answers  
here!**

90

12

11

25

65

25

42

9

48