

# 6

## Rhombuses



Date: \_\_\_\_\_

Mark: \_\_\_\_\_

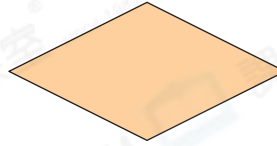


If the figure below is a rhombus, put a '✓' in the ; if not, put a '✗' in it.

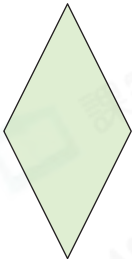
1.



2.



3.



**STEAM** EDUCATION **pedia**

Electric retractable doors nowadays are usually composed of rhombuses or parallelograms. The instability of these two quadrilaterals allows the electric retractable doors retract freely.

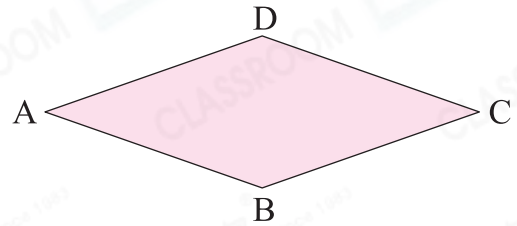


Fill in the blanks and circle the answers.

4. The figure on the right is a \_\_\_\_\_.

5. \_\_\_\_\_ and \_\_\_\_\_ are parallel.

\_\_\_\_\_ and \_\_\_\_\_ are parallel.

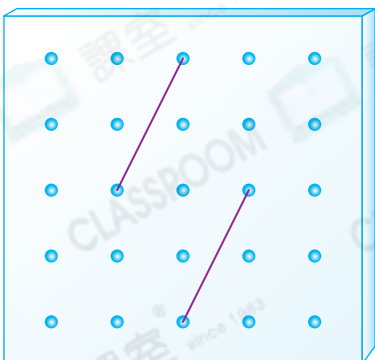


6. The lengths of the four sides are ( equal / not equal ).

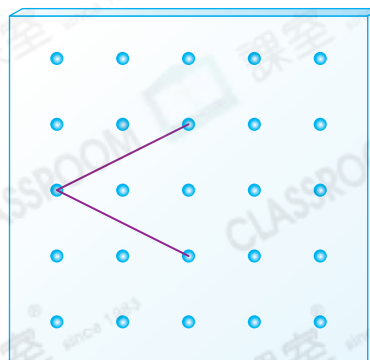


Add line segments on the pin-boards below to make rhombuses.

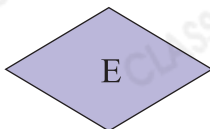
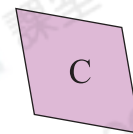
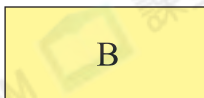
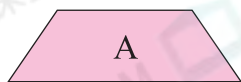
7.



8.



9.



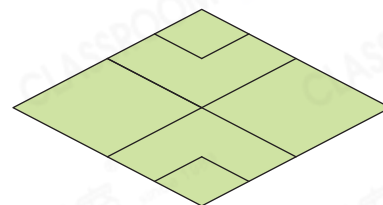
Among the above figures, figures \_\_\_\_\_ and \_\_\_\_\_ are rhombuses. They have ☆ one pair / two pairs (☆ circle the answer) of opposite sides parallel.

10. Which of the following descriptions about rhombuses is **incorrect**?

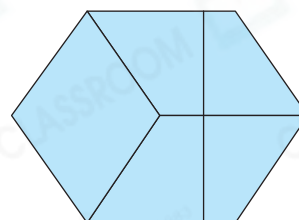
- A. Lengths of four sides are equal.      B. Lengths of adjacent sides are equal.  
 C. Opposite sides are parallel.      D. Four angles are equal.

11. How many rhombuses are there in the figure on the right?

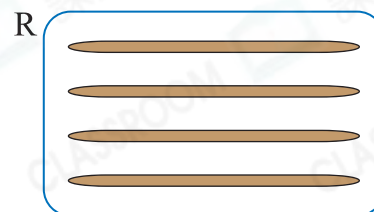
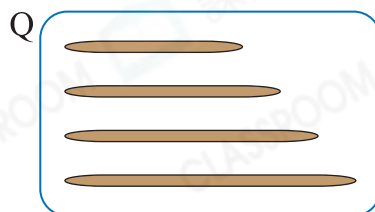
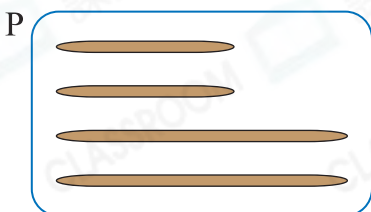
Answer: \_\_\_\_\_



12. The hexagon on the right is made of **one** \_\_\_\_\_ and **four** \_\_\_\_\_.



13.



Mandy has 3 sets of sticks. She wants to make a rhombus. She should use Set ☆ P / Q / R . (☆ Circle the answer)

14. Quadrilateral UVYZ is a rhombus.

Quadrilateral VWXY is a rectangle.

If  $WX = 4$  cm, then  $UV =$  \_\_\_\_\_ cm.

