

# 7

## Perpendicular Lines



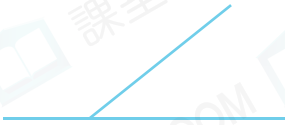
Date: \_\_\_\_\_

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



If there are perpendicular lines in the picture, put a '✓' in the box. Put a '✗' if there is not.

1.



2.



3.

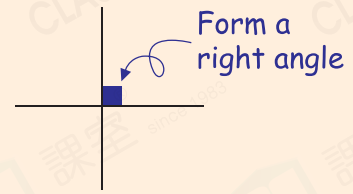


4.



### Reminder

If two straight lines intersect and form a right angle, they are a pair of perpendicular lines.



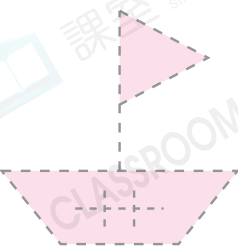
Show the perpendicular lines in colour and write the number of pair(s) of perpendicular lines.

5.



\_\_\_\_\_ pair(s)

6.



\_\_\_\_\_ pair(s)

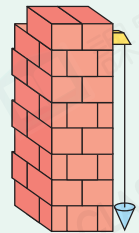
7.



\_\_\_\_\_ pair(s)

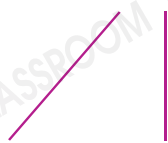


Construction workers use a weight suspended from a string to check if the wall is perpendicular to the ground. If the vertical of the wall can align with the string, that means the wall is perpendicular to the ground.



8. Which of the following is a pair of perpendicular lines?

A.



B.



C.



D.

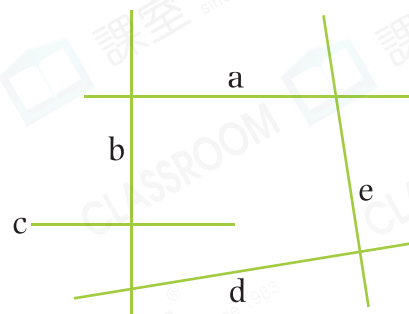


9. In the figure on the right,

(a) Straight Line b is perpendicular to Straight Line(s)  $\star$  a / c / d / e .

( $\star$  Circle the answer(s))

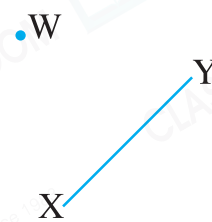
(b) There is/are \_\_\_\_\_ pair(s) of perpendicular lines.



10. In the picture on the right,

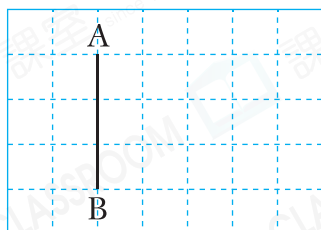
(a) draw a line that represents the distance between Point W and Straight Line XY.

(b) Measure the distance between Point W and Straight Line XY with a ruler. The distance is \_\_\_\_\_ cm.

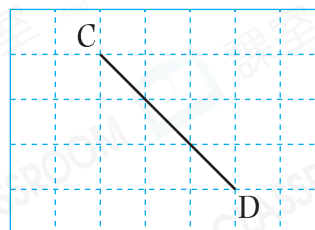


11. Draw a line in each figure that is perpendicular to the given lines.

(a)



(b)



Brain Quest



Detailed tips

In the picture on the right, which two points have the same distance from Straight Line m?

Answer: Point \_\_\_\_\_ and Point \_\_\_\_\_

