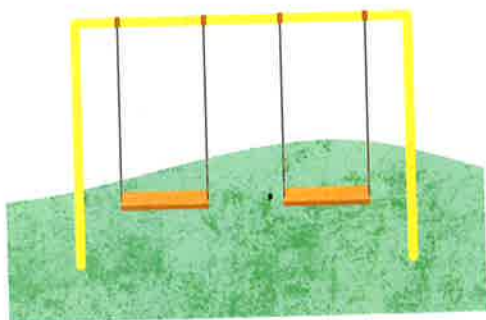


Identifying Perpendicular Lines

In Focus



Look for two straight lines that meet to make a right angle.

Let's Learn

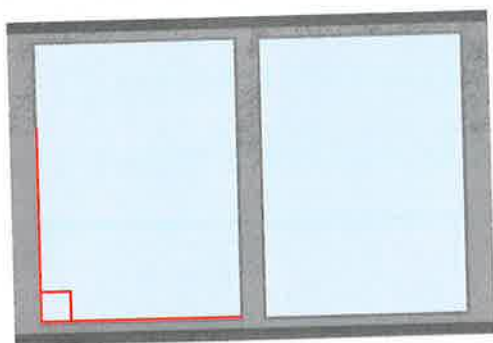
- 1 Find two lines that meet at right angles.



We can use a right-angle tester to check.



- 2 Find two lines that meet at right angles.

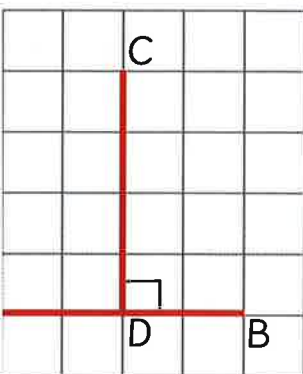


These lines are called perpendicular lines.



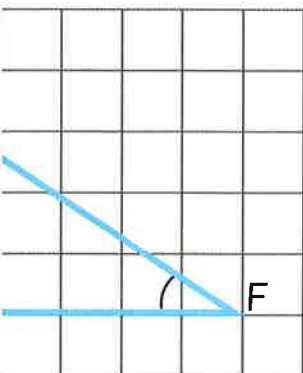
Two straight lines that meet at a right angle are called **perpendicular lines**.

ne lines are drawn on a square grid as shown.



AB and CD meet each other at right angles.
CD is perpendicular to AB.

We can name lines using
letters of the alphabet.



Do EF and GF meet at a right angle?
Is EF perpendicular to GF?
Why or why not?



ch pairs of lines are perpendicular?

<p>is perpendicular to l.</p>	<p>PQ is not perpendicular to RS.</p>	<p>ZX is perpendicular to XY.</p>

Use a right-angle
tester to check for
right angles.

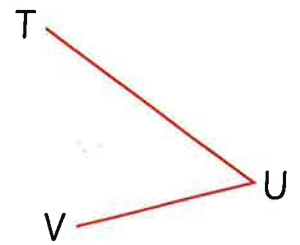
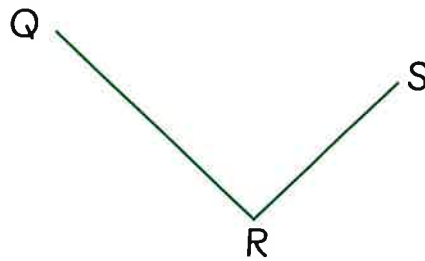
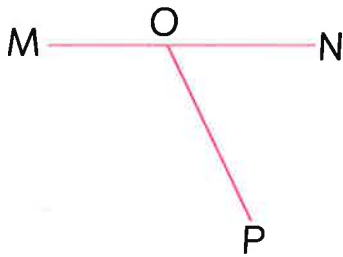


Guided Practice

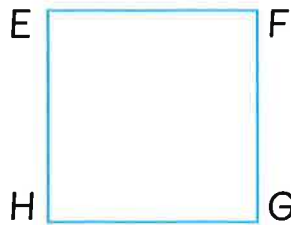
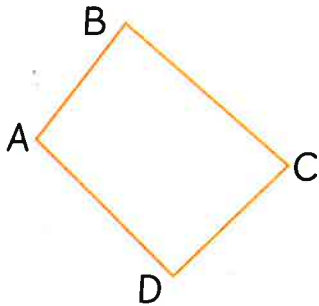
- 1 List the pairs of perpendicular lines you can find in a table.



- 2 Which pairs of lines are perpendicular?



- 3 Which sides of the shapes are perpendicular?



- 4 Which letters have perpendicular lines?

L I N E S

and Shapes

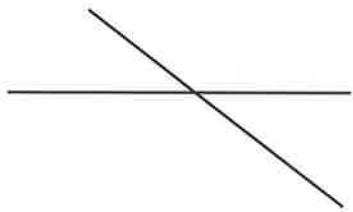
Chapter 13

_____ Class: _____ Date: _____

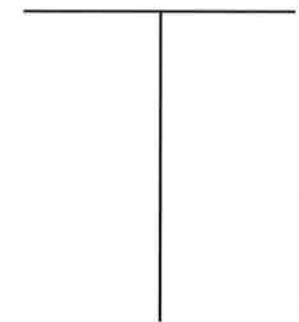
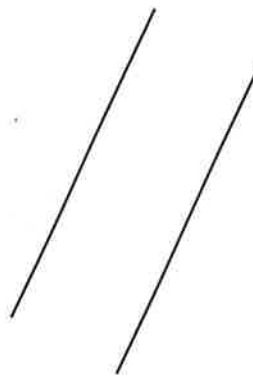
Sheet 1

Identifying Perpendicular Lines

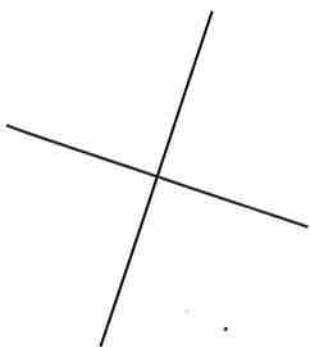
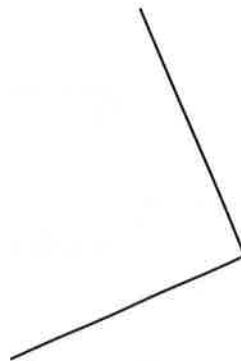
Identify the pairs of lines that are perpendicular.



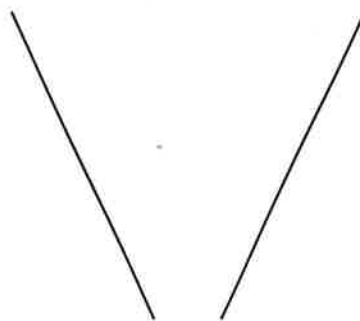
(b)



(d)

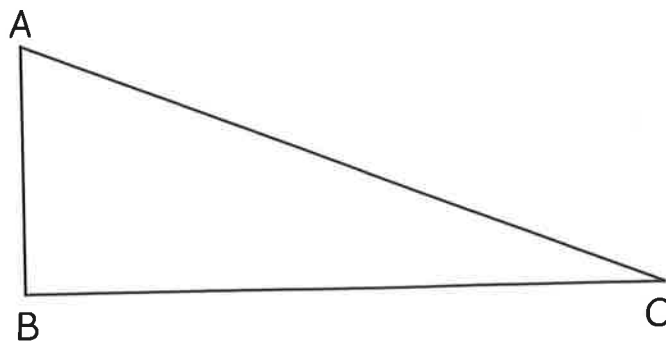


(f)



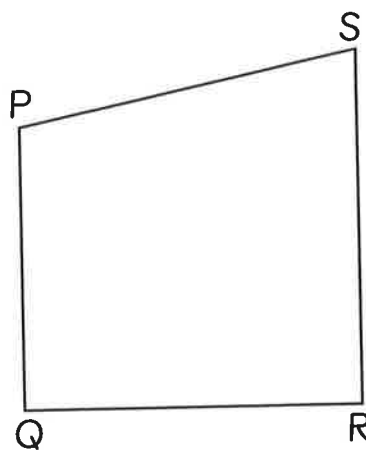
2 Name the sides that are perpendicular in each shape.

(a)



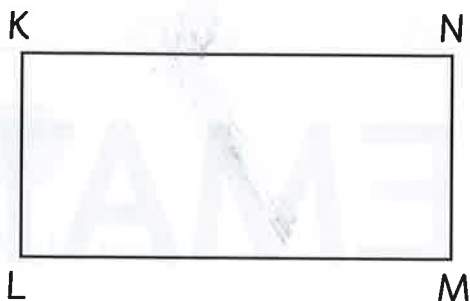
is perpendicular to .

(b)



is perpendicular to .

is perpendicular to .

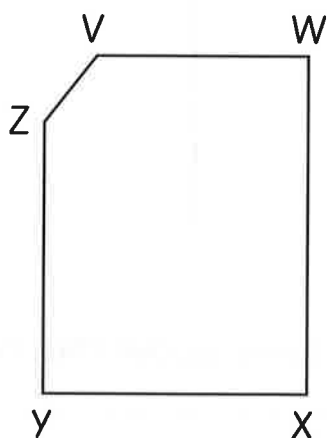


is perpendicular to .

is perpendicular to .

is perpendicular to .

is perpendicular to .



is perpendicular to .

is perpendicular to .