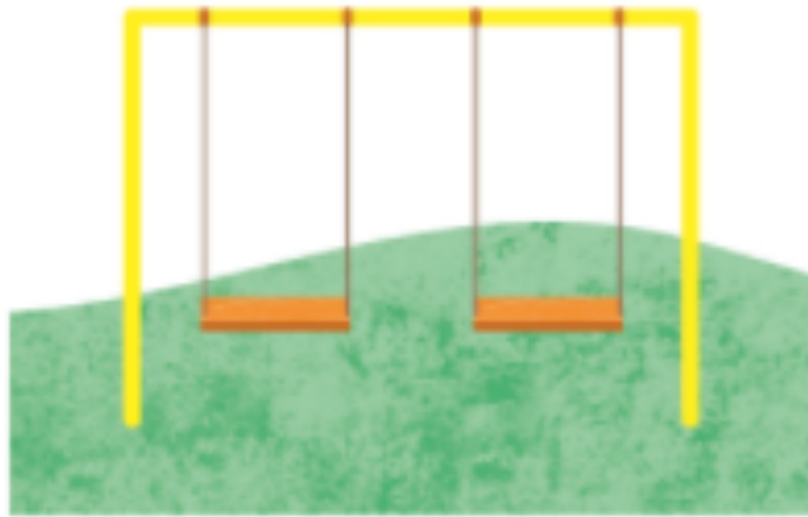
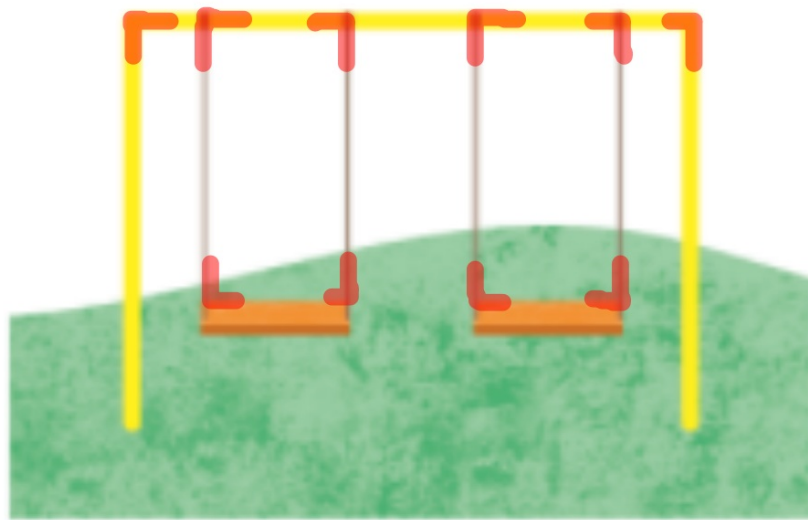


23/2/21

## Lesson 2: Identifying Perpendicular Lines



Using your right angle tester, find the lines on the swings that meet to make a right angle. How many can you find?



Two lines that meet to make right angles have a special name.  
They are called **perpendicular lines**.

## 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.



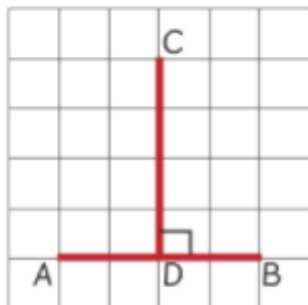
These lines are called perpendicular lines.



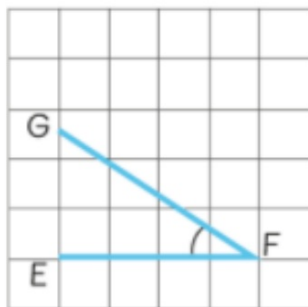
Two straight lines that meet at a right angle are called perpendicular lines.

Lines can be labelled using letters. In the example, we can say that line AB is perpendicular to line CD.

3 Some lines are drawn on a square grid as shown.



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



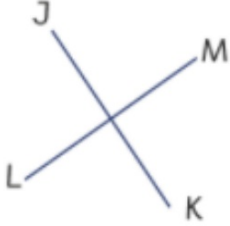
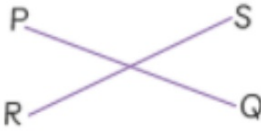
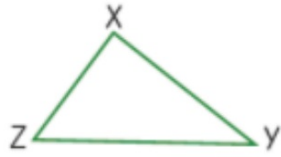
Do EF and GF meet at a right angle?  
Is EF perpendicular to GF?  
Why or why not?

We can name lines using letters of the alphabet.



Watch 'video 1' 

4 Which pairs of lines are perpendicular?

		
JK is perpendicular to LM.	PQ is not perpendicular to RS.	ZX is perpendicular to XY.

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



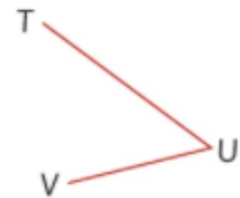
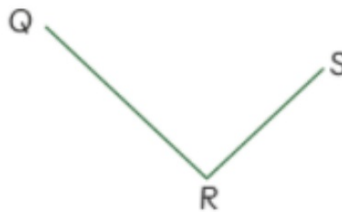
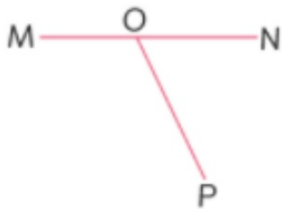
Watch 'video 2' 🙄🙄

## Guided Practice

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

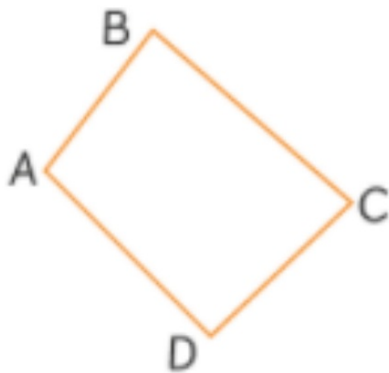


- 2 Which pairs of lines are perpendicular?



3

Which sides of the shapes are perpendicular?



4

Which letters have perpendicular lines?

L I N E S



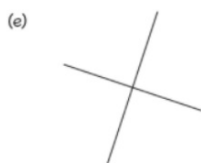
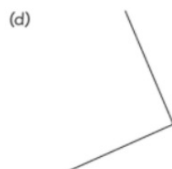
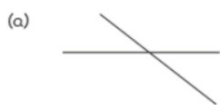
Watch video clip "extra support" if you are struggling with the guided practice.

Complete the worksheets.  
If you get stuck watch the  
extra support video again.

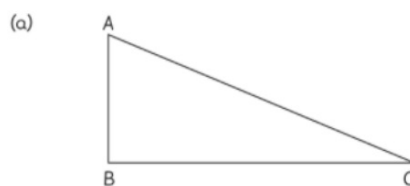
### Worksheet 1

#### Identifying Perpendicular Lines

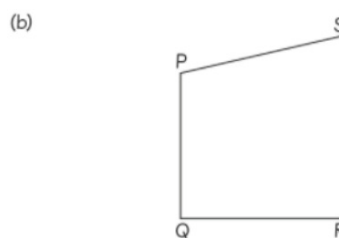
1 Circle the pairs of lines that are perpendicular.



2 Name the sides that are perpendicular in each shape.



is perpendicular to .



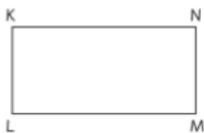
is perpendicular to .

is perpendicular to .

You can download these  
on the virtual school.



(c)



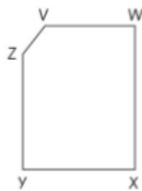
is perpendicular to .

is perpendicular to .

is perpendicular to .

is perpendicular to .

(d)



is perpendicular to .

is perpendicular to .

3 Look at the letters below.

# MATHEMATICS

(a) Complete the table.

description	letters
No perpendicular lines	
1 pair of perpendicular lines	
More than 1 pair of perpendicular lines	

(b) Provide another letter not shown above that has perpendicular lines.