

3 Identifying and Drawing Perpendicular Lines

Anchor Task



Straight lines are used to form letters of the alphabet.

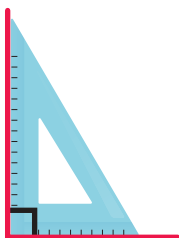
LINE

Think of letters that are formed using straight lines that make right angles.

Our Friends' Ideas



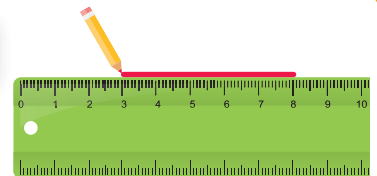
's letter



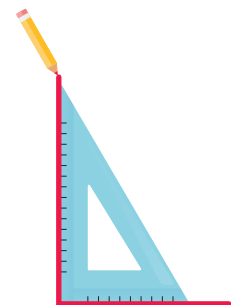
These two lines make a right angle.

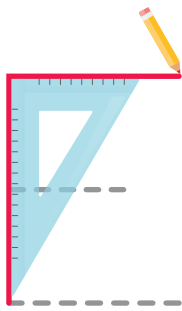
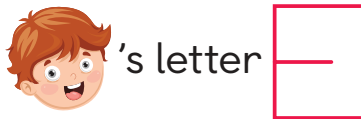
We say these lines are **perpendicular**.

step 1

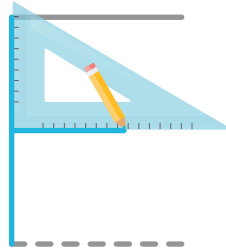


step 2

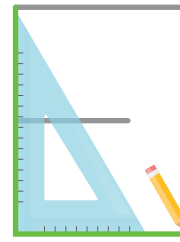




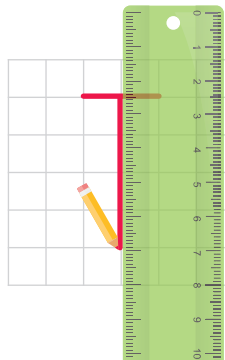
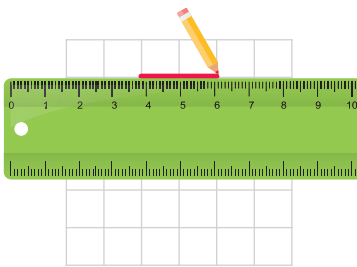
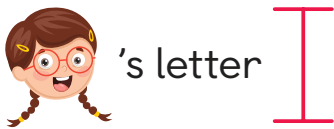
The red lines are perpendicular to each other.



The blue lines are perpendicular to each other.

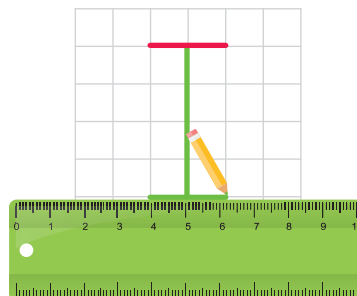


The green lines are perpendicular to each other.



These two lines meet at right angles.

They are perpendicular to each other.



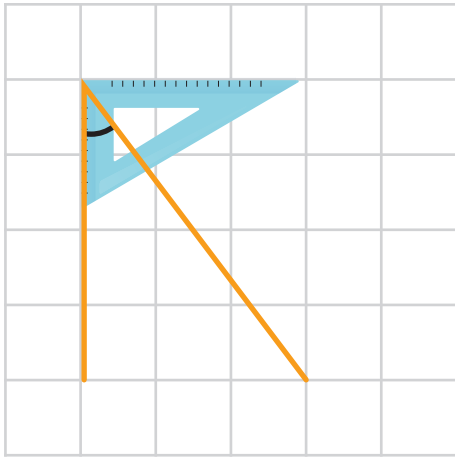
These two lines intersect at right angles.

They are perpendicular lines.



tryed with the letter

N.

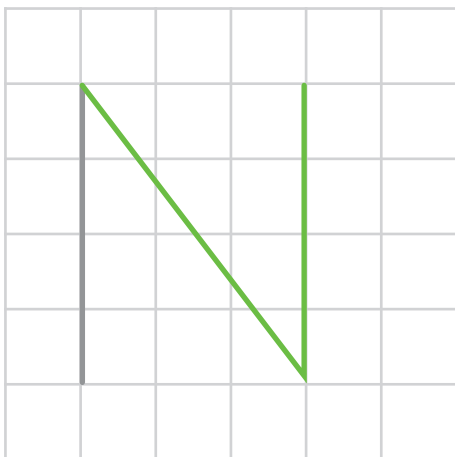


This angle is smaller than a right angle.

The two lines do not meet at a right angle.

They are not perpendicular to each other.

They are not perpendicular lines.



Are the green lines perpendicular to each other?

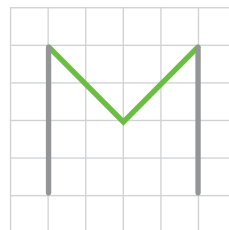
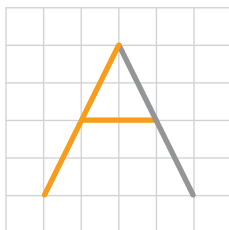
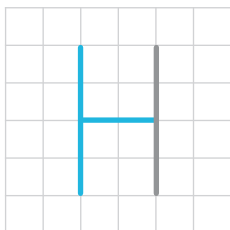
Why?

It is useful to have a way to name the lines instead of calling them by colours.

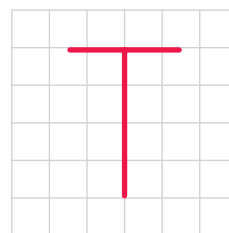
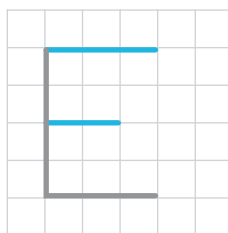
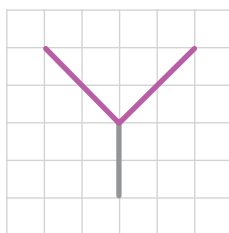




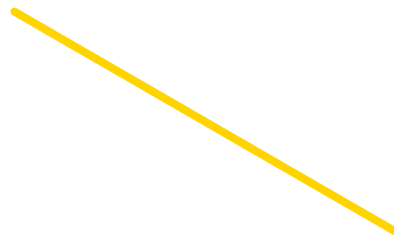
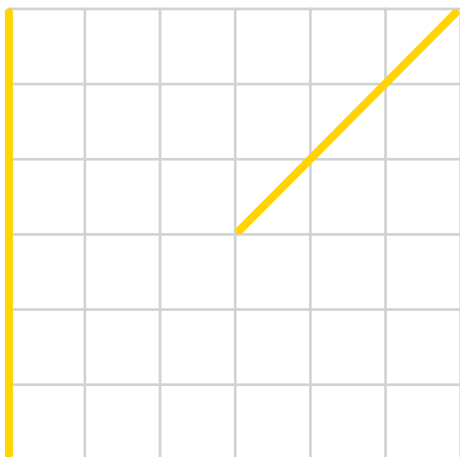
- Are the two lines that are of the same colour perpendicular to each other?



Do the lines meet at right angles?



- Draw a line that is perpendicular to each of the yellow lines.



Use a set square if necessary.

