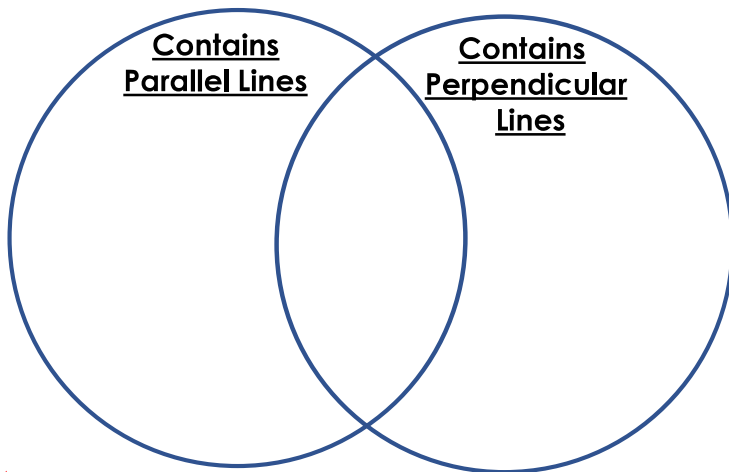


# Parallel and Perpendicular

1. Sort the capital letters into the Venn diagram below.

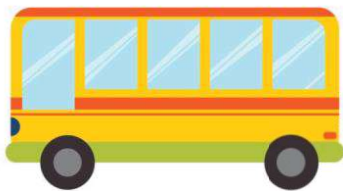


O L H  
F G  
S



VF  
HW/Ext

2. Circle the objects which contain perpendicular lines.

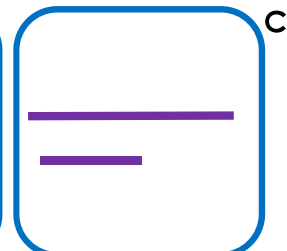
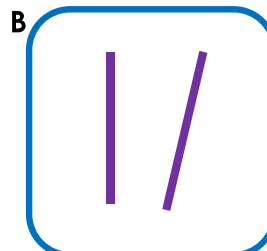
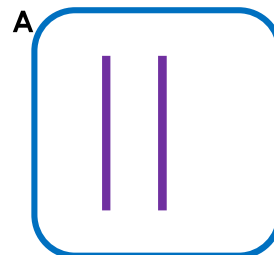


VF  
HW/Ext

3. Zak is drawing lines.



All of the lines that I have drawn are parallel.



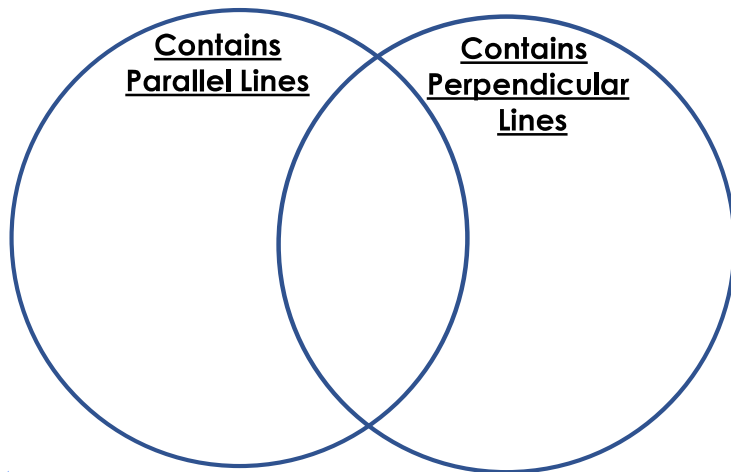
Is Zak correct? Explain your answer.



RPS  
HW/Ext

# Parallel and Perpendicular

4. Sort the capital letters into the Venn diagram below.

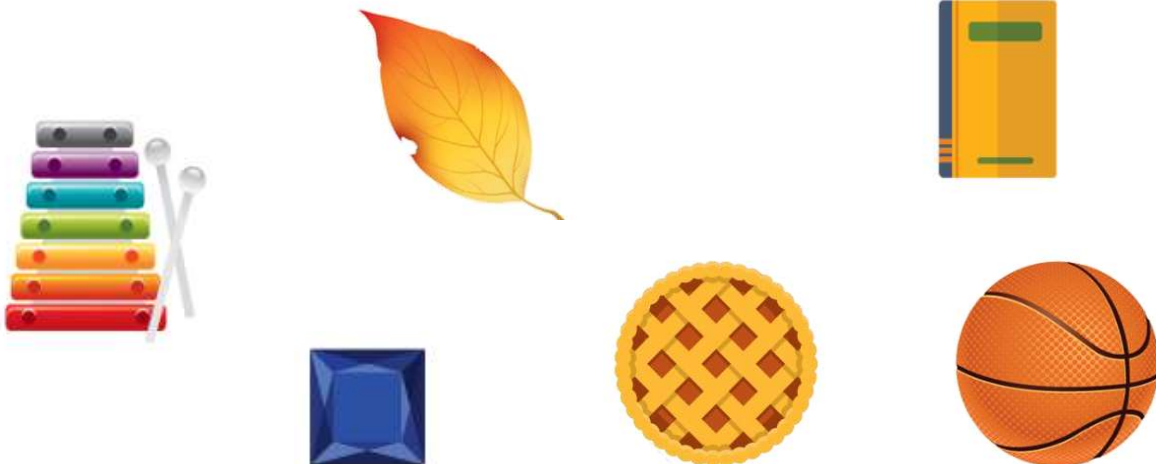


Z L C  
X N  
A



VF  
HW/Ext

5. Circle the objects which contain parallel lines.

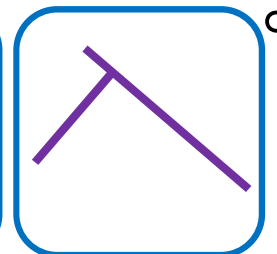
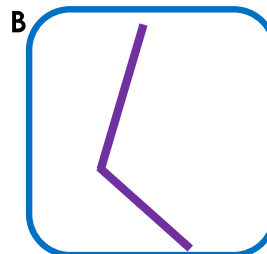
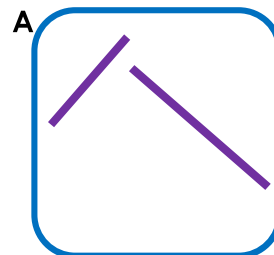


VF  
HW/Ext

6. Thomas is drawing lines.



All of the lines that I have drawn are perpendicular.



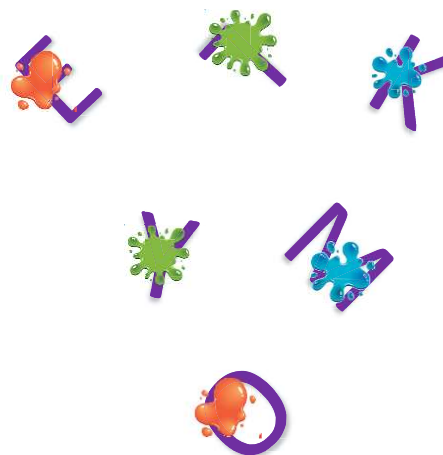
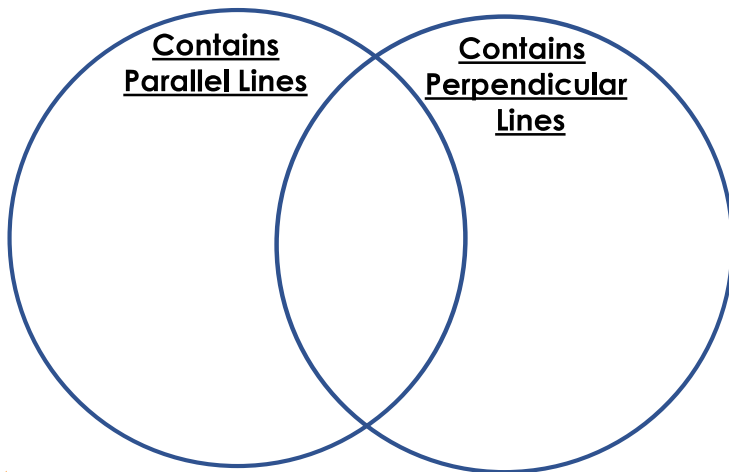
Is Thomas correct? Explain your answer.



RPS  
HW/Ext

# Parallel and Perpendicular

7. Sort the capital letters into the Venn diagram below.



VF  
HW/Ext

8. Circle the objects which have more than 5 sets of perpendicular lines.

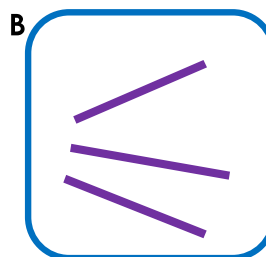
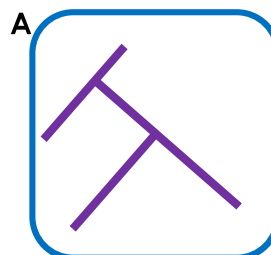


VF  
HW/Ext

9. Sophia is drawing lines.



All of the lines that I have drawn are parallel or perpendicular.



Is Sophia correct? Explain your answer.



RPS  
HW/Ext

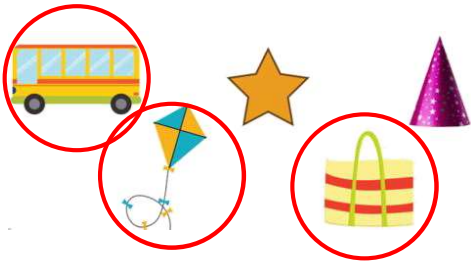
# Homework/Extension

## Parallel and Perpendicular

### Developing

1. Contains perpendicular lines: L ; Middle section: H, F  
Letters which do not fit into the diagram: O, G, S

2.

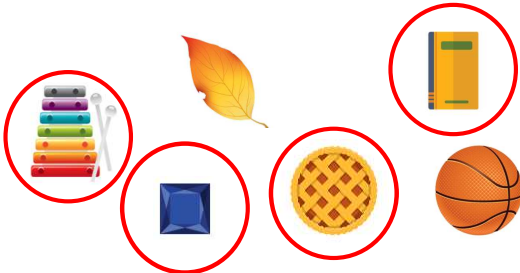


3. Zak is incorrect. The lines in box A and box C are parallel but the lines in box B are not as the gap between the lines is getting closer and they would eventually meet if they were continued.

### Expected

4. Contains parallel lines: Z, N  
Contains perpendicular lines: L  
Letters which do not fit into the diagram: A, X, C

5.



6. Thomas is incorrect. The lines in box C are perpendicular, however the lines in box A do not meet so cannot be perpendicular and the lines in box B are larger than a right angle so also cannot be perpendicular.

### Greater Depth

7. Contains parallel lines: M  
Middle section: E  
Contains perpendicular lines: T,  
Letters which do not fit into the diagram: K, Y, O

8.



9. Sophia is incorrect. The lines in box A are perpendicular, the lines in box C are parallel but the lines in box B are neither parallel nor perpendicular as they do not create any right angles and if the lines continued, they would eventually meet.