

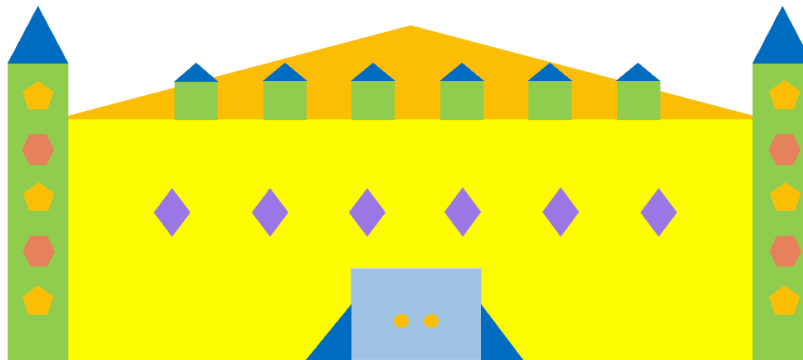
NC. Objective: To accurately describe the properties of 2-D and 3-D shapes.



Kronborg Castle in Denmark is the inspiration for the setting of Shakespeare's *Hamlet*.

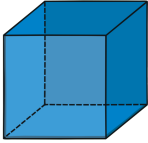
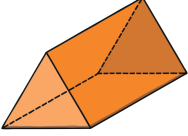
Kronborg Castle
Constantin Hansen
1834

1. Take a look at this castle made of 2-D shapes:



Write a list of all of the shapes you can see.

2. Complete this table:

Shape	Faces	Edges	Vertices
 Cube		12	
 Triangular Prism	5		

3. Here are some of the cast members from the play. Look at their names and circle any letters which have parallel lines. The first one has been done for you.



4. Read the descriptions of each shape and circle the correct one.

- The sides of the shape are not all equal in length.
- It has 4 right angles.



- The sides of the shape are all equal in length.
- It has 3 angles which are all smaller than a right angle.



- It has an even number of sides.
- It only has 1 pair of parallel lines.



5. This is the flag of Denmark. Mark the perpendicular lines and the right angles.



Draw your own flag with right angles, perpendicular lines and parallel lines.