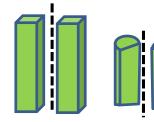




A cross-section is formed when a 3D shape is sliced. The cross-section is the shape that results from the cut. Think about slicing an apple in half and looking at the inside. This white meat of the apple is the cross-section. There are 3 ways to form a cross-section.

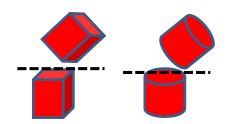
Perpendicular to the Base

When you slice a 3D shape perpendicular to the base, the 2D shape formed will be the same shape as the sides.



Parallel to the Base

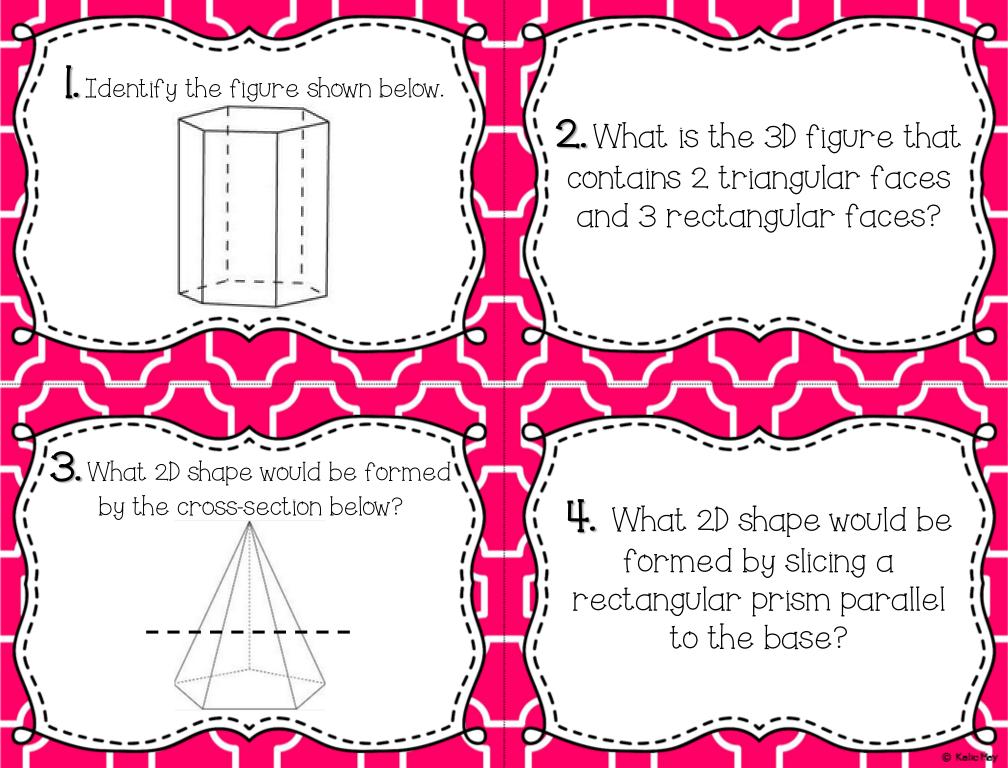
When you slice a 3D shape parallel to the base, the 2D shape formed will be the same shape as the base.

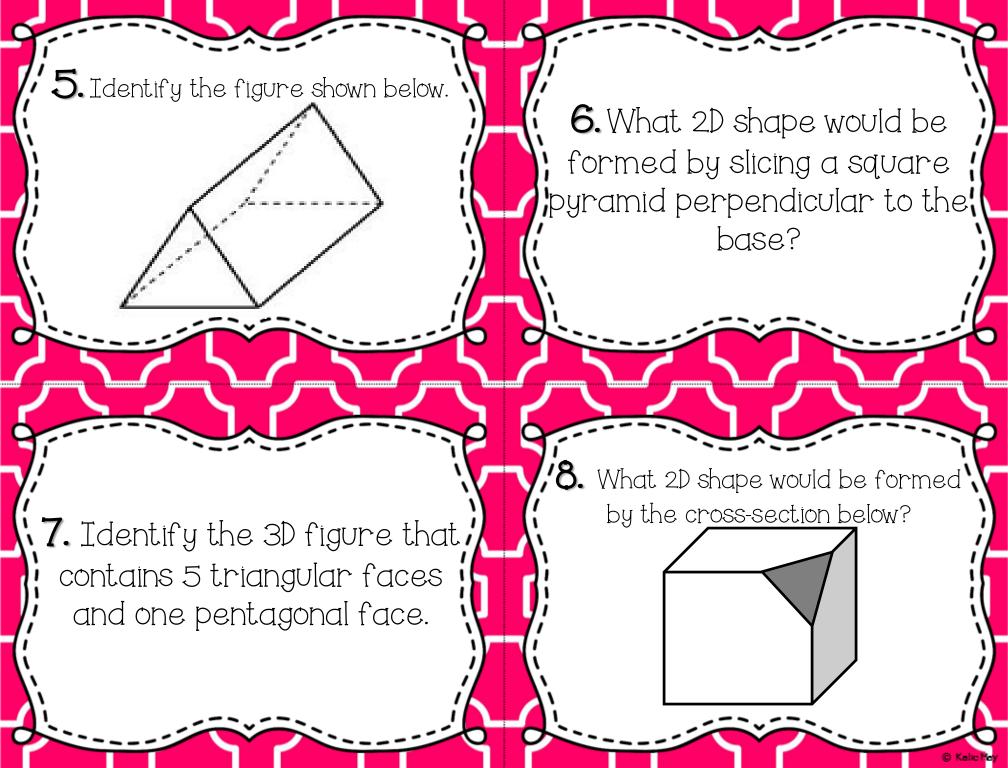


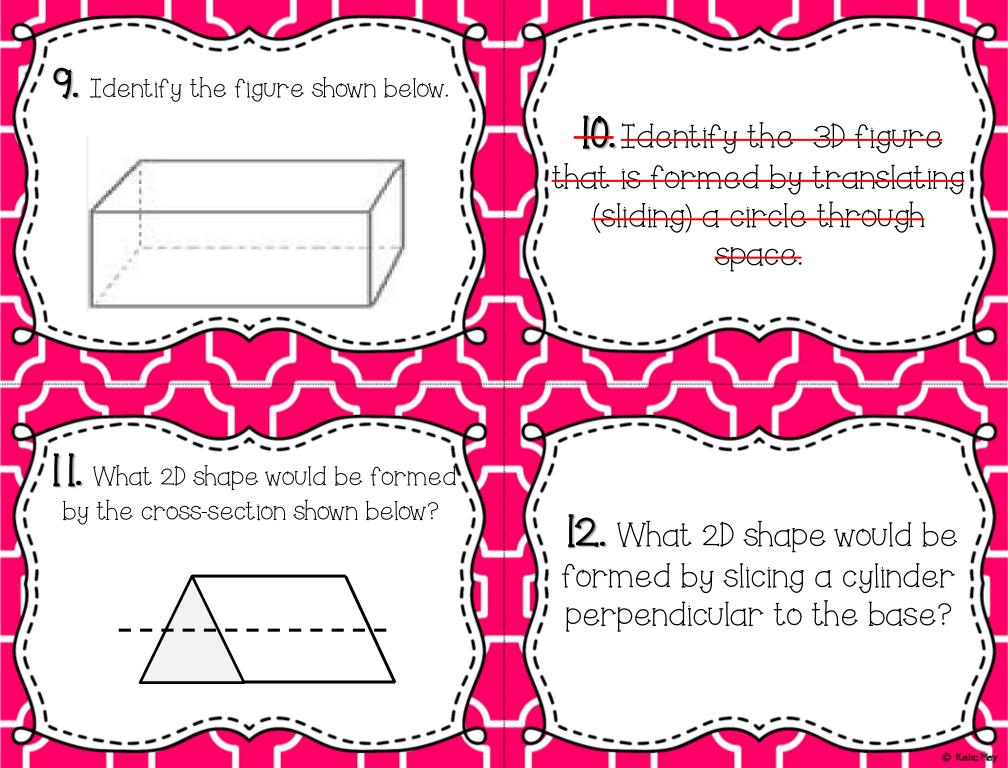
Tilted Away From the Base

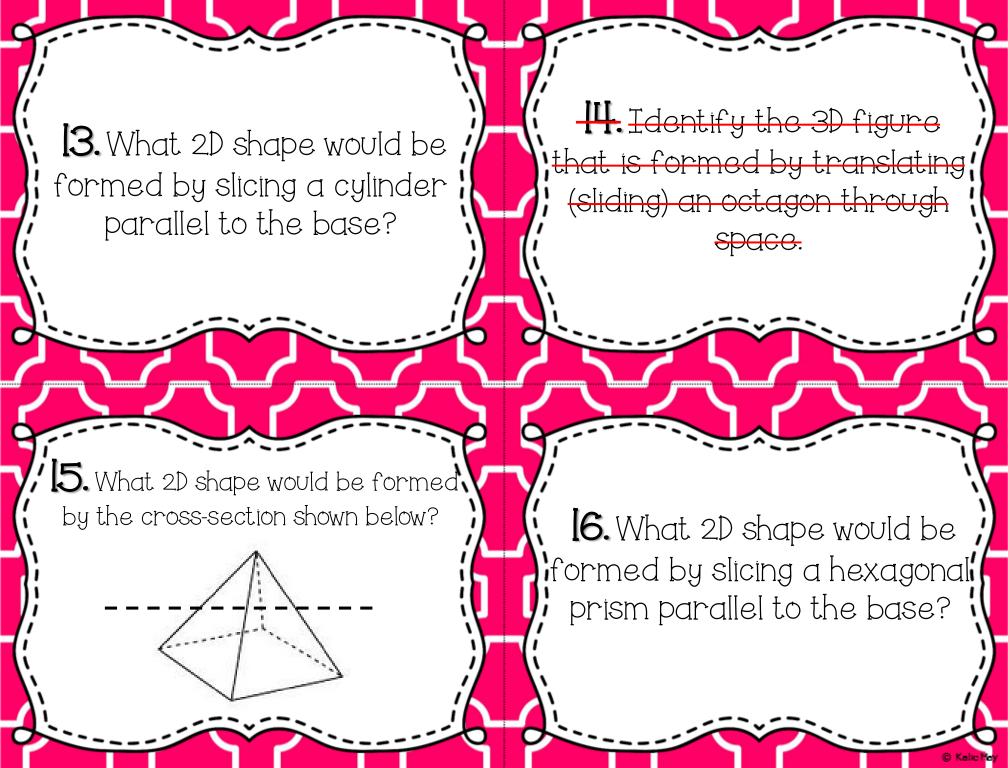
When you slice a 3D shape tilted away from the base, you may get many different shapes. Pay close attention to how many edges and how many corners the resulting shape would have.











3D Figures and Cross-Sections Student Answer Key

1. Hexagonal Prism	2. Triangular Prism	3. Pentagon	4. Rectangle
5. Triangular Prism	6. Triangle	7. Pentagonal Prism	8. Triangle
9. Rectangular Prism	10. Cylinder	11. Rectangle	12. Rectangle
13. Circle	14. Octagonal Prism	15. Square	16. Hexagon © Katie May

3D Figures and Cross-Sections Student Answer Key

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