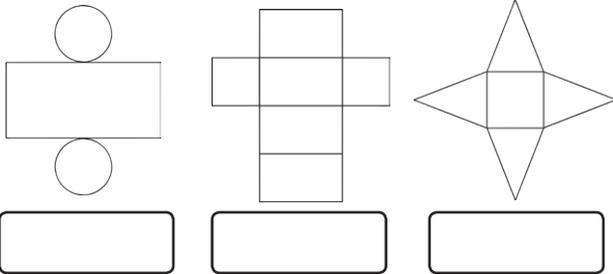


1) Use an **Alien Shape Net** of your choice to create **one** 3D alien. Write these facts in your book:



- Shape name;
- Face shapes;
- Number of vertices;
- Number of faces;
- Number of edges;
- Curved surface, flat face or both.

2) Which shapes are made with these nets?



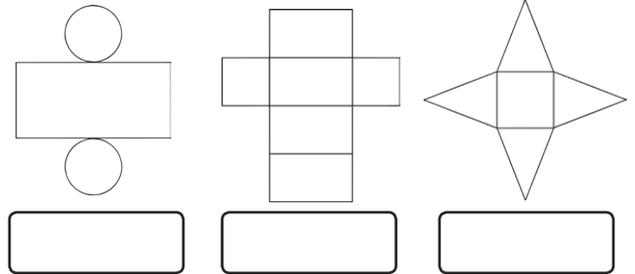
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1) Using straws for straight edges and balls of modelling clay for vertices, how many of each would you need to build a pyramid with a hexagonal base?



Straws: Modelling clay balls:

2) You have 8 straws and 6 balls of modelling clay. Circle the names of the shapes you could make using these:

- cube
- sphere
- triangular prism
- square-based pyramid
- cone



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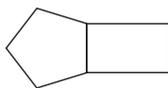
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1) Complete the net below so that it would make a pentagonal prism when built:



Is there more than one way of completing it that will work?

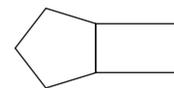
2) One of the 3D shape aliens says: 'I can make a 3D shape where every face is an **identical** rectangle.' Investigate this by using squared or isometric (dotty) paper, or interlocking rectangular shapes, to see if she is correct.

Is she correct? _____

What 3D shape have you made? _____

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