<u>Maths</u>

Summer Term Week 6

Starters:

- Use the factor bug to find the factors of 36, 48 and 60.
- Multiply 264 X 4 and 362 X 6. Check with calculator.
- Find 1/3 of 136, 219 and 429.
- Revise perimeter. Can you write a definition for it?
- Revise area. Can you write a definition for it?

L.O. To be able to recognise the nets of different Prisms.



These are nets of Prisms.

They all have 2 faces that are the same shape and are parallel to each other. They also all have rectangular faces.

<u> Task 1:</u>



What 3D shape will this prism make? Describe the 2D shapes used to make it.

<u>Task 2:</u>

1) Draw the nets of: - triangular prism - pentagonal prism - hexagonal prism - cuboid

Try to describe them underneath if you can.

<u> Task 3:</u>



<u>Task 4:</u>

Draw the nets for a:

- Triangular-based pyramid
- Pentagonal pyramid
- Hexagonal pyramid

Can you describe the faces used for the net?

<u>Task 5:</u>



<u>Task 6</u>

Have a go at building a 3D shape from a net!

Answers:

<u>Task 1:</u>



What 3D shape will this prism make? Describe the 2D shapes used to make it.

This will make a pentagonal prism. It has 2 pentagonal faces that are exactly the same shape, that will be parallel to each other. It also has 5 rectangular faces – each one connected to one side of the pentagonal face.

<u>Task 2:</u>

- 1) Draw the nets of:
- triangular prism
- pentagonal prism
- hexagonal prism
- cuboid



I have included others that you might have tried yourself too.

<u>Task 3:</u>



They both have at least 1 square face. A square face in the middle is joined by other faces.

The pyramid has triangular faces, whereas the cube has square faces. In a cube, the faces are all the same, but the square-based pyramid has two different types of faces.

<u>Task 4:</u>

Draw the nets for a:

- Triangular-based pyramid
- Pentagonal pyramid
- Hexagonal pyramid

Can you describe the faces used for the net?



Here are the nets of 9 solid shapes. Each one of these has been cut into 2pieces, like the net of the cube.



What knowledge could you use?

___+__=<u>Name of the shape</u>

E4E: Can you explain how you know those two pieces go together? Give reasons.

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Can you see which pieces go together?
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