Year 5 | Space

Nets of prisms and pyramids

Learn and practise | Free preview

A sample from this topic. The complete topic collection contains three different resources and worked solutions.

Show your thinking using words, working or a labelled drawing. Use the explanations and example first.

What you will practise

• Nets of prisms and pyramids

• Explain and check an answer with an appropriate representation.

Useful starting skills: Use objects, drawings or a number line to explain a simple idea.

A net is a flat arrangement of faces that folds into a solid. Shared edges act as hinges; the face sizes, connections and arrangement must all fit the intended shape.

Prisms have two matching parallel bases and side faces joining corresponding edges. Pyramids have one base and triangular faces meeting at an apex. Sketch, predict, then fold to test the relationship between a solid and its net.

Worked example

Describe a triangular-prism net.

Start with three rectangles in a strip; their widths match the three triangle side lengths.

Attach two congruent triangles in positions that close the two ends without overlap.

Answer: Two congruent triangles and three rectangles

Try it yourself

Name: _____ Date: _____

1. A cube net is shown as named cells. Draw equal squares only in the six named cells, with shared edges; ignore blank cells. Which face is opposite Centre when folded?

Column A	Column B	Column C
	Top	
Left	Centre	Right
	Bottom	
	Extra	

2. What face shapes and how many are needed in a triangular-prism net?

Answers and explanations

Check the method as well as the final answer. An alternative correct method is also valid.

1. Extra

Top, Left, Right and Bottom fold around Centre. Extra folds over to form the opposite face.

2. Two congruent triangles and three rectangles

The triangles are the two ends; each triangle edge connects to one rectangular side face.

Curriculum reference: VC2M5SP01

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