

➤ Notes for parents. Activity next page.

**The purpose of this task is to have your child:**

- Accurately represent three-dimensional objects with two-dimensional drawings.  
You might like to try this task yourself.

**Think about this:**

- The isometric paper aids the drawing of straight-sided objects.
- Drawing objects from different viewpoints can be challenging. Be encouraging and supportive. Ask questions which may help your child to think objectively about the particular perspective they are trying to represent.
- As your child draws, encourage them to consider the relative size of the object's dimensions and the way these relate to the size of the drawn dimensions.

**He tauira kōrero Māori:**

He tukutuku inerite tēnei pepa. He tāruaruatanga o te tapatoru rite.	This is isometric grid paper. It is a repetition of equilateral triangles.
Ka whakamahia te tukutuku inerite hei tuhi pikitia o tētahi āhua ahu-toru.	Isometric grid is used for drawing pictures of 3-dimensional shapes.
Tuatahi, tuhia te mata mua o te āhua ahu-3.	First draw the front face of the 3-dimensional shape.
Tuhia te mata e hono ana ki te taha matau.	Draw the face that joins on to the right hand side.
E kitea ana ngā mata katoa o te āhua ahu-3? Kei muri rānei ētahi mata kāore e kitea ana?	Can you see all of the faces of the 3-dimensional shape, or are some of the faces at the back and can't be seen?

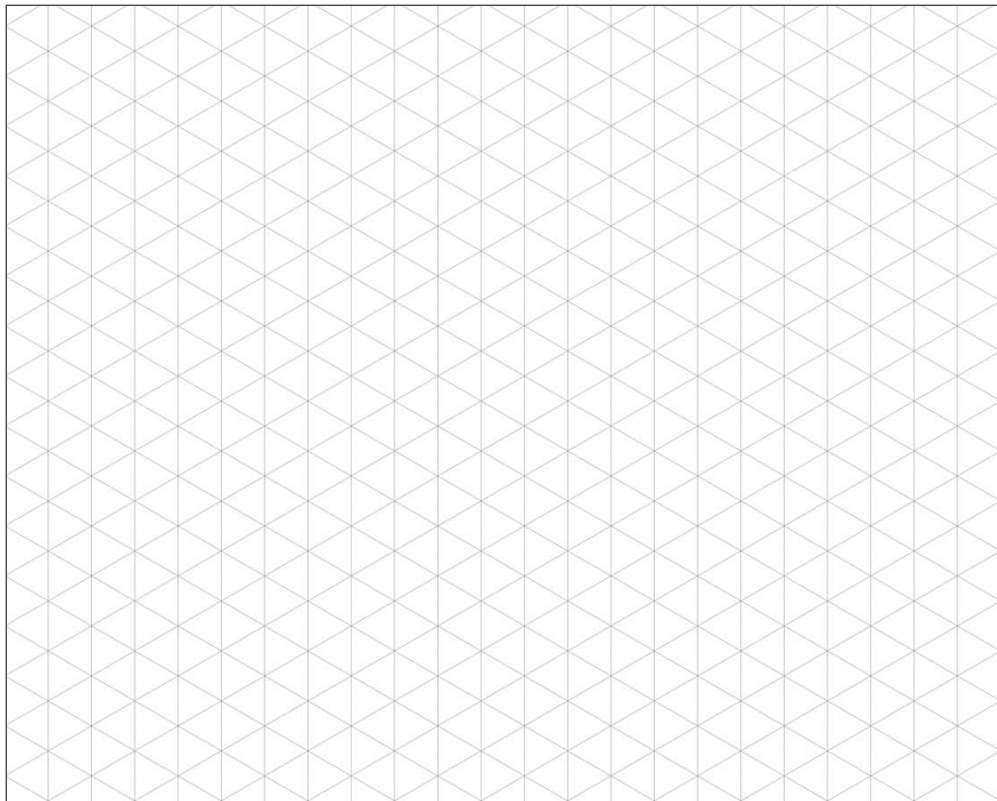


He tukutuku inerite tēnei pepa. Ka whakamahia te tukutuku inerite hei tuhi pikitia o tētahi āhua ahu-toru.

Ka whakaaturia te roa, te whānui me te teitei o te āhua ahu-3.

**Try these two challenges:**

1. Kimihia tētahi mataono rite, tētahi pouaka rānei, he papatahi ōna mata. Tuhia he pikitia o te mataono rite ki te tukutuku inerite.



2. Tīkina tētahi atu āhua ahu-toru. Tuhia te tirohanga mua, te tirohanga taha me te tirohanga runga. Whakamāramatia ō pikitia.

