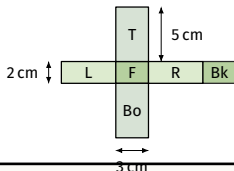


Start Tasks

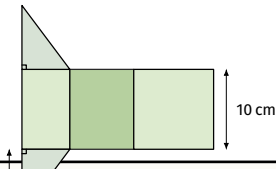


Use each net's labelled dimensions to answer the question, or draw the requested net to scale.

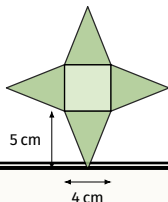
1.



2.



3.



4. A cuboid net has three pairs of congruent rectangles. Explain why a cuboid always has exactly 3 pairs of identical faces.

Start Tasks



Use each net's labelled dimensions to answer the question, or draw the requested net to scale.

5. Draw an accurate net for a cuboid 6 cm long, 4 cm wide, and 3 cm high, labelling every face with its dimensions.

6. Draw a net for a triangular prism with a 5 cm base, 12 cm height, and 15 cm length.

7. A square-based pyramid net has a base of side 6 cm and four congruent triangular flaps with slant height 8 cm. Draw this net to scale.

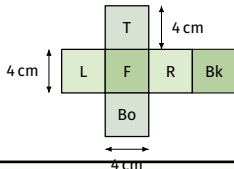
8. Two different students draw two different-looking nets for the same cube. Explain how both can be correct.

Start Tasks



Use each net's labelled dimensions to answer the question, or draw the requested net to scale.

9.



10. A cuboid measures 8 cm by 5 cm by 3 cm. List the area of each of the 3 different-sized rectangular faces in its net.

11. A cardboard box maker draws the net of a cuboid 12 cm by 7 cm by 4 cm before cutting it out. Why is drawing the net first useful?

12. Sketch two different valid nets that both fold into the same cube.