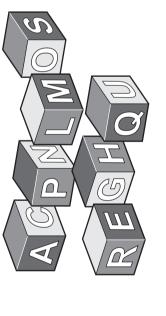
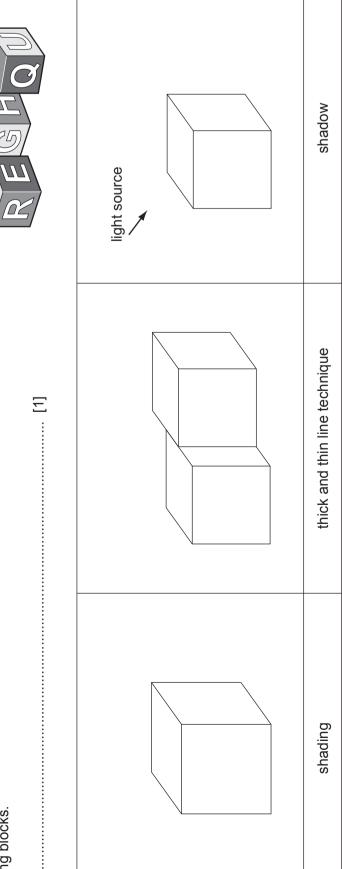


Question 2

A set of cube-shaped children's building blocks is shown on the right. The blocks have letters on them so that children can use them to make words.

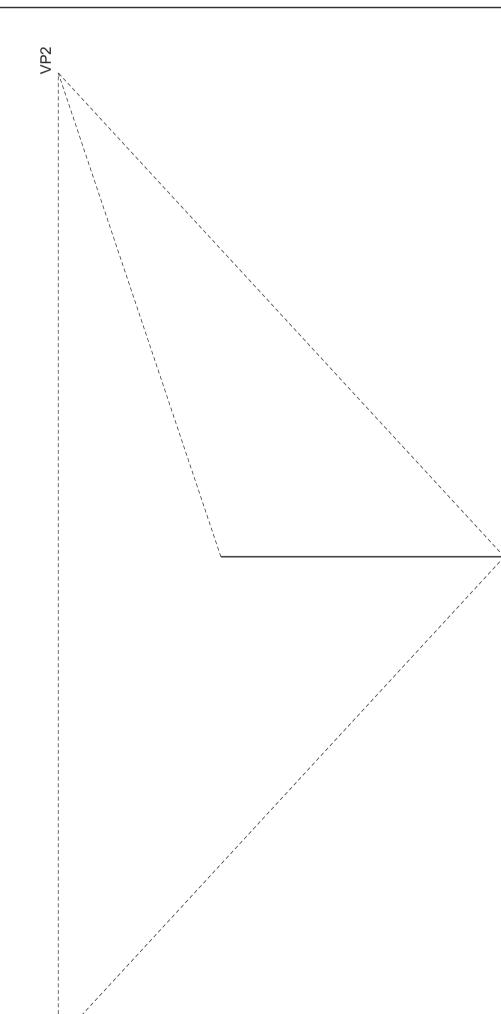
Name the drawing projection method used in the table below to show the building blocks. (a) (i)





- Complete the drawings in the table above to show the **three** stated methods of enhancing the appearance of the building blocks. €
- (b) In the space below, complete the estimated two-point perspective drawing of **one** cube-shaped building block. Add a letter <u>L</u> to one surface of the building block. [6]

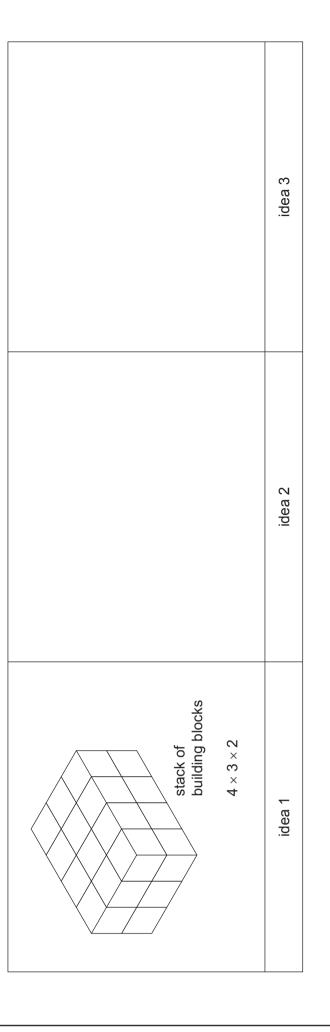
VP1



The cube-shaped building blocks are 75 mm square. A set of 24 building blocks is packaged in a rectangular cardboard box.

(C)

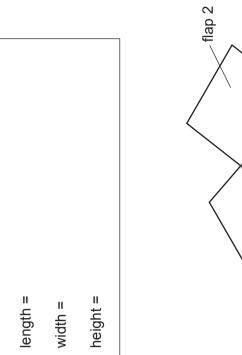
Complete the table below to show **three** different ways of stacking the 24 blocks ready to be packaged. Ξ



In the space on the right calculate the length, width and height of the box required to hold the stack of building blocks shown in idea 1. [3]



Complete the drawing below to show a scale 1:5 drawing of the development (net) required to make the box shown on the right for the stack of building blocks shown in idea 1. Include all fold lines and glue tabs. $\widehat{\equiv}$



∠ flap 1

flap 1

estimated two-point perspective drawing

flap 2

