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| Level 1 | |
| 1. ABCD is a tetrahedron. AB = 3, AC = 4, AD = 5 2. Write down the coordinates of the vertices. | z  y |
| Level 2 | |
| y  z | 1. AB = 4, AC = 5, AD = 8 2. Write down the coordinates of the vertices. 3. Calculate the volume of the shape |
| Level 3 | |
| 1. Write down the coordinates for all vertices. 2. Find the length of side MQ 3. Find the angle at vertex Q | y    z |
| Extension | |
| 1. The angle of elevation at vertex A is 33.69◦ (2dp). FC = 6. The area of CDEF = 72 | 1. Use trigonometry to work out the length of side AD. (round to nearest unit) 2. Write down the coordinates of the vertices 3. Calculate the volume and surface area of the shape. |