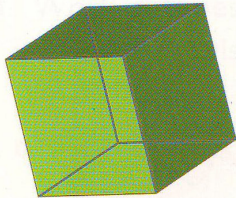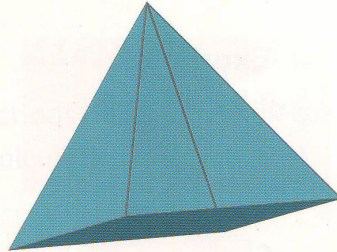Write the answers on your notebook

Solid sorts
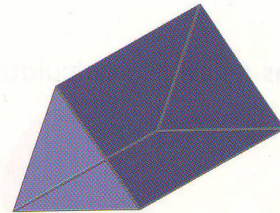
Practice

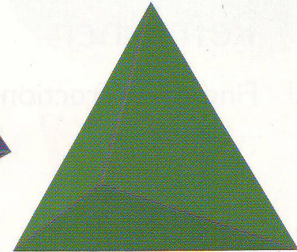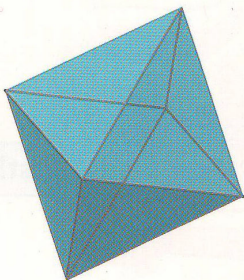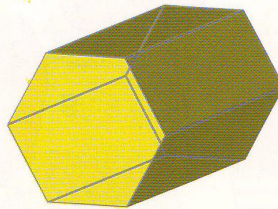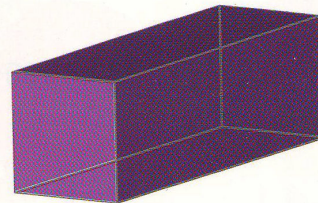

cube

square-based
pyramid

triangular
prism

tetrahedron
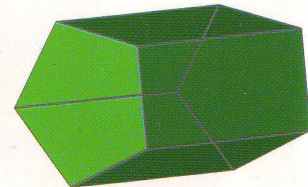
octahedron

hexagonal
prism

cuboid

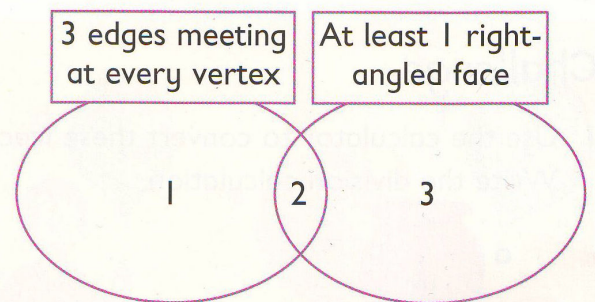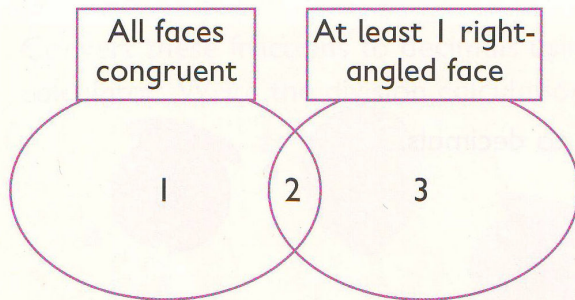pentagonal
prism

I For each question, write in which region, 1, 2 or 3, you would sort these shapes.

   a cuboid, octahedron, cube,
     triangular prism

   b tetrahedron, square-based pyramid,
     hexagonal prism, pentagonal prism

All faces congruent	At least 1 right-angled face

1   2   3

3 edges meeting at every vertex	At least 1 right-angled face

1   2   3

2 For each clue, choose from the 8 solids shown above.
   Find and write the name of the solid which has:
   a 8 vertices and all right-angled faces congruent to each other.
   b 4 edges meeting at every vertex and all faces are triangular.
   c the same number of right-angled vertices as a cube, but edges of different lengths.
   d 4 more vertices than a cube and the 2 identical end faces are regular.
   e one right-angled face and 4 edges meeting at one of the vertices.

3 Write your own clues for these solids.
   a tetrahedron
   b hexagonal prism