Monday 1st June

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1 A triangular prism
  B cone
  C tetrahedron
  D octagonal prism
  E cuboid
  F hemisphere
  G square based pyramid
  H hexagonal prism
  I cylinder
  J octahedron
  K pentagonal prism
  L cube

2 An octagonal based prism has 2...8 identical rectangular side faces.

3 A triangular prism has 2 identical triangular end faces and 3 identical rectangular side faces.
A cuboid has 2 identical rectangular end faces and 4 identical rectangular side faces.
An hexagonal prism has 2 identical hexagonal end faces and 6 identical rectangular side faces.
A pentagonal prism has 2 identical pentagonal end faces and 5 identical rectangular side faces.
A cube has 2 identical square end faces and 4 identical square side faces.

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B

1

Shapes	Faces	Edges	Vertices
pentagonal prism	7	15	10
tetrahedron	4	6	4
octagonal prism	10	24	16
cube	6	12	8
triangular prism	5	9	6
octahedron	8	12	6
hexagonal prism	8	18	12
cuboid	6	12	8
square based pyramid	5	8	5

2 pentagonal prism   a) 1   b) 10
  tetrahedron   a) 0   b) 0
  octagonal prism   a) 5   b) 16
  cube   a) 3   b) 12
  triangular prism   a) 1   b) 6
  pentagonal based pyramid   a) 0   b) 0
  octahedron   a) 4   b) 8
  cuboid   a) 3   b) 12
  square based pyramid   a) 0   b) 4

C

1 F = S + 2

5 Faces 14

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