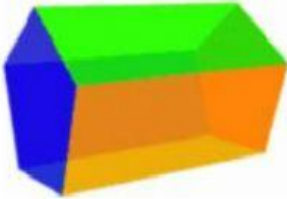


## Application\_WS\_G8\_Vertices, Sides, and Faces of a Polyhedron

What is the name of this solid?



A A pentagonal prism

B A pentagonal pyramid

C A dodecahedron

D A cylinder

What is the name of this solid?



A A dodecahedron

B A pentagonal prism

C A pentagonal pyramid

D A cone

What is the value of  $F + V - E$  for a pentagonal prism?

A 1

B 2

C 4

D 5

A polyhedron has 12 vertices and 30 edges. How many faces does it have?

A 14

B 16

C 18

D 20

A polyhedron has 6 vertices and 8 faces. How many edges does it have?

A 12

B 14

C 16

D 18

A solid has 12 faces and 20 edges.

Given that Euler's Formula applies, how many vertices does it have?

A 6

B 8

C 10

D 12