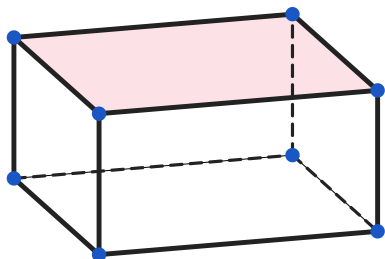


Faces, Edges and Vertices

ANSWERS

1

Fill in the boxes for this **cuboid**.



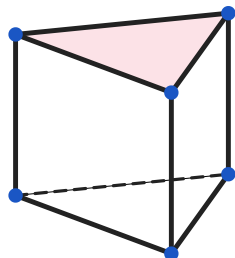
faces $2 + 4 = 6$

edges $4 + 4 + 4 = 12$

vertices $4 + 4 = 8$

2

Fill in the boxes for this **triangular prism**.



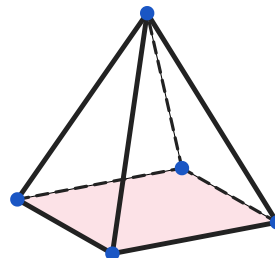
faces $2 + 3 = 5$

edges $3 + 3 + 3 = 9$

vertices $3 + 3 = 6$

3

Fill in the boxes for this **square based pyramid**.



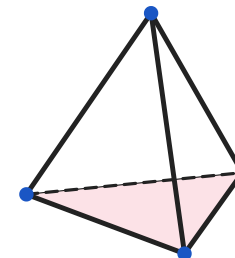
faces $1 + 4 = 5$

edges $4 + 4 = 8$

vertices $4 + 1 = 5$

4

Fill in the boxes for this **triangular based pyramid**.



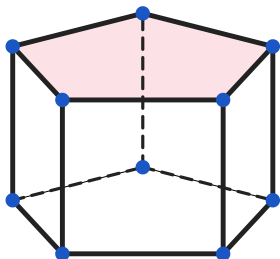
faces $1 + 3 = 4$

edges $3 + 3 = 6$

vertices $3 + 1 = 4$

5

Fill in the boxes for this **pentagonal prism**.



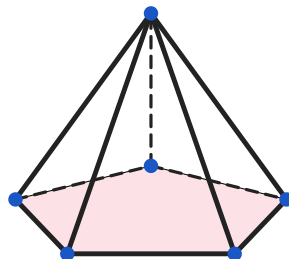
faces $2 + 5 = 7$

edges $5 + 5 + 5 = 15$

vertices $5 + 5 = 10$

6

Fill in the boxes for this **pentagonal based pyramid**.



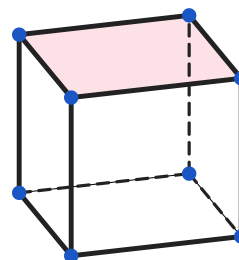
faces $1 + 5 = 6$

edges $5 + 5 = 10$

vertices $5 + 1 = 6$

7

A gift box is a **cube**. Fill in the boxes.



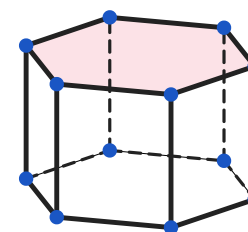
faces $2 + 4 = 6$

edges $4 + 4 + 4 = 12$

vertices $4 + 4 = 8$

8

Name this shape. Fill in the boxes.



Name hexagonal prism

faces $2 + 6 = 8$

edges $6 + 6 + 6 = 18$

vertices $6 + 6 = 12$

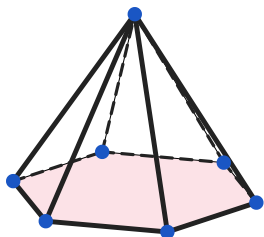
Faces, Edges and Vertices *further practice*

ANSWERS

9



Fill in the boxes for this **hexagonal based pyramid**.



faces $1 + 6 = 7$

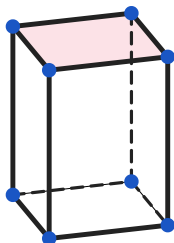
edges $6 + 6 = 12$

vertices $6 + 1 = 7$

10



A cereal box is a **cuboid**.
Fill in the boxes.



faces $2 + 4 = 6$

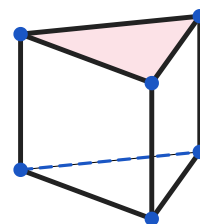
edges $4 + 4 + 4 = 12$

vertices $4 + 4 = 8$

11



The hidden edges are not drawn.
Fill in the boxes for this **triangular prism**.



faces $2 + 3 = 5$

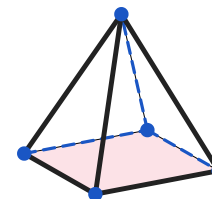
edges $3 + 3 + 3 = 9$

vertices $3 + 3 = 6$

12



The hidden edges are not drawn.
Name this shape. Fill in the boxes.



Name square based pyramid

faces $1 + 4 = 5$

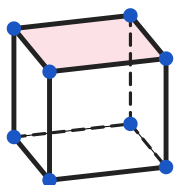
edges $4 + 4 = 8$

vertices $4 + 1 = 5$

13



A sugar lump is a **cube**.
How many faces, edges and vertices does it have?



faces 6

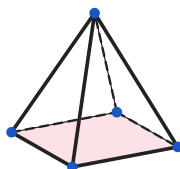
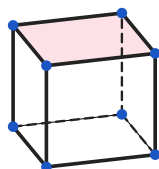
edges 12

vertices 8

14



Which has more edges, the **cube** or the **square based pyramid**?
How many more?



cube edges 12

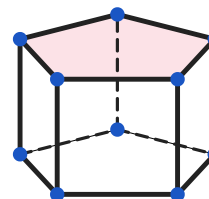
pyramid edges 8

Answer the cube, 4 more

15



Kai makes this **pentagonal prism** from straws. He uses one straw for each edge. How many straws does he need?

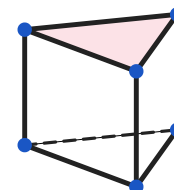


Answer 15 straws

16



Sam says this **triangular prism** has 6 edges. Why is Sam wrong?



Sam forgot the edges that go up.

A triangular prism has 9 edges.