

THREE-DIMENSIONAL SHAPES

A THREE-DIMENSIONAL SHAPES

A.1 IDENTIFYING FLAT OR SOLID SHAPES

MCQ 1: Is this shape flat or solid?

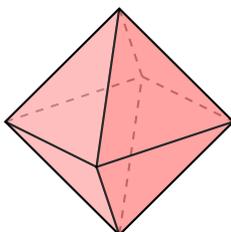


Pick the right answer:

- 2D shape
- 3D shape

Answer: It is a 2D shape because it's flat, with only length and width.

MCQ 2: Is this shape flat or solid?

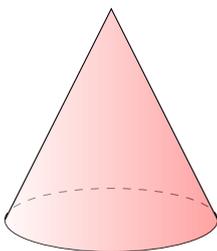


Pick the right answer:

- 2D shape
- 3D shape

Answer: It is a 3D shape because it's solid, with length, width, and depth.

MCQ 3: Is this shape flat or solid?



Pick the right answer:

- 2D shape
- 3D shape

Answer: It is a 3D shape because it's solid, with length, width, and depth.

MCQ 4: Is this shape flat or solid?

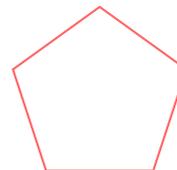


Pick the right answer:

- 2D shape
- 3D shape

Answer: It is a 2D shape because it's flat, with only length and width.

MCQ 5: Is this shape flat or solid?

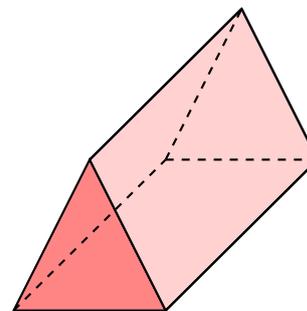


Pick the right answer:

- 2D shape
- 3D shape

Answer: It is a 2D shape because it's flat, with only length and width.

MCQ 6: Is this shape flat or solid?



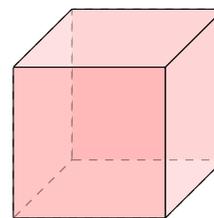
Pick the right answer:

- 2D shape
- 3D shape

Answer: It is a 3D shape because it's solid, with length, width, and depth.

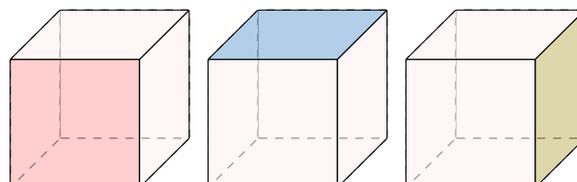
A.2 COUNTING FACES

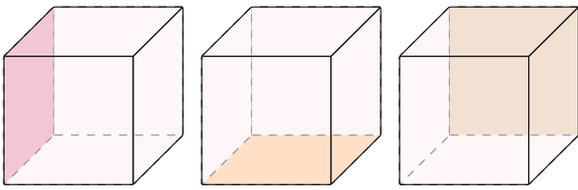
Ex 7: How many faces does this cube have?



6 faces

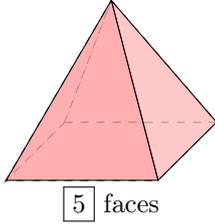
Answer: Count each flat surface to find the number of faces.





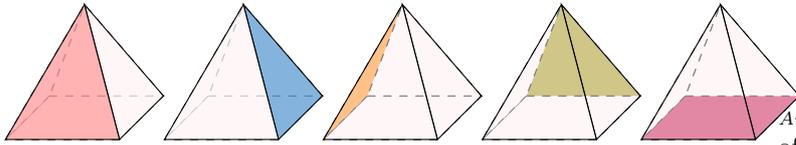
There are 6 faces.

Ex 8: How many faces does this square pyramid have?



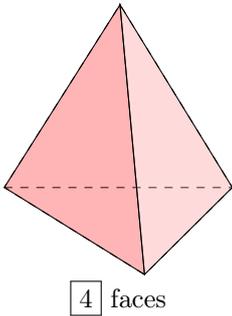
5 faces

Answer: Count each flat surface to find the number of faces.



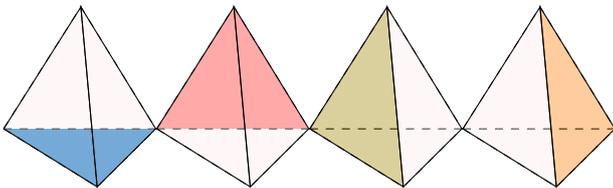
There are 5 faces.

Ex 9: How many faces does this triangular pyramid have?



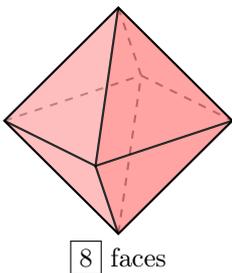
4 faces

Answer: Count each flat surface to find the number of faces.



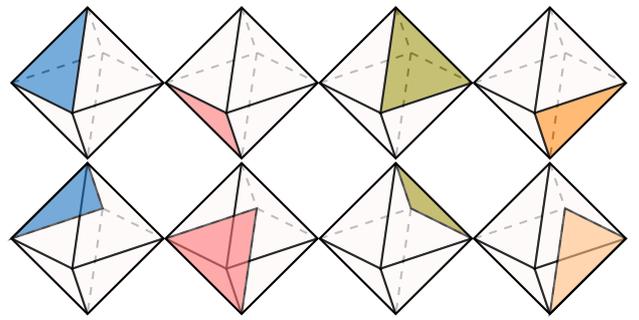
There are 4 faces.

Ex 10: How many faces does this eight-faced die have?



8 faces

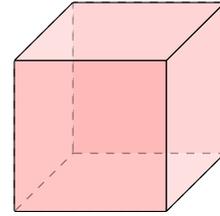
Answer: Count each flat surface to find the number of faces.



There are 8 faces.

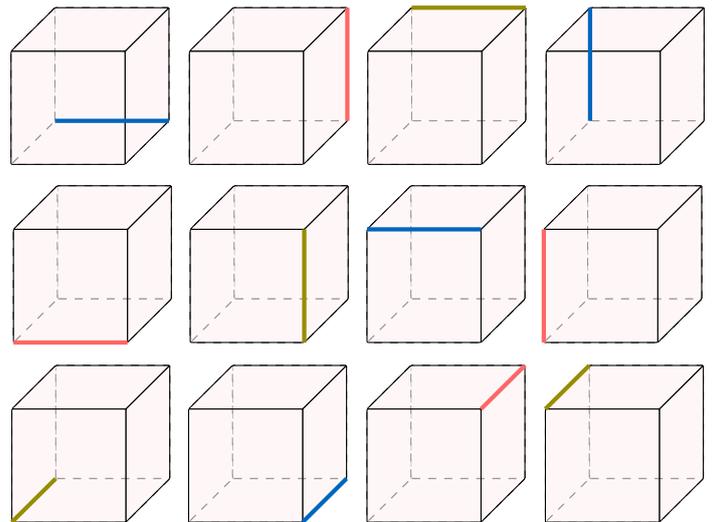
A.3 COUNTING EDGES

Ex 11: How many edges does this cube have?



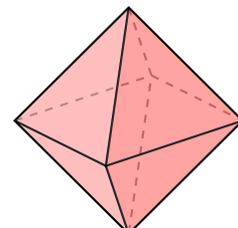
12 edges

Answer: Count each line where two faces meet to find the number of edges.



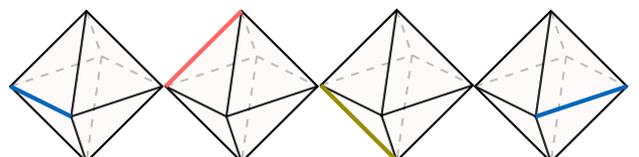
There are 12 edges.

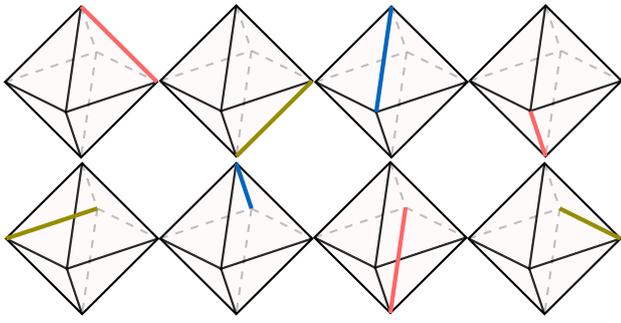
Ex 12: How many edges does this eight-faced die have?



12 edges

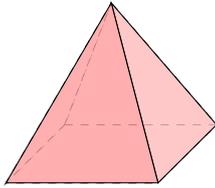
Answer: Count each line where two faces meet to find the number of edges.





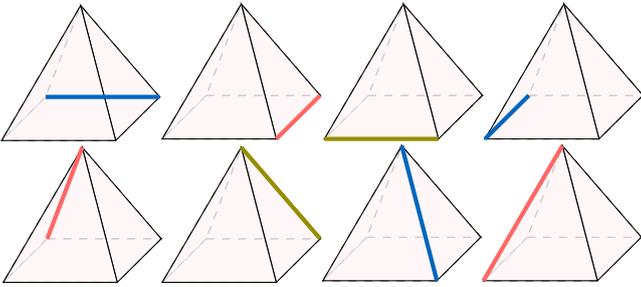
There are **12 edges**.

Ex 13: How many edges does this square pyramid have?



8 edges

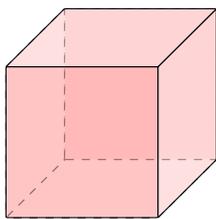
Answer: Count each line where two faces meet to find the number of edges.



There are **8 edges**.

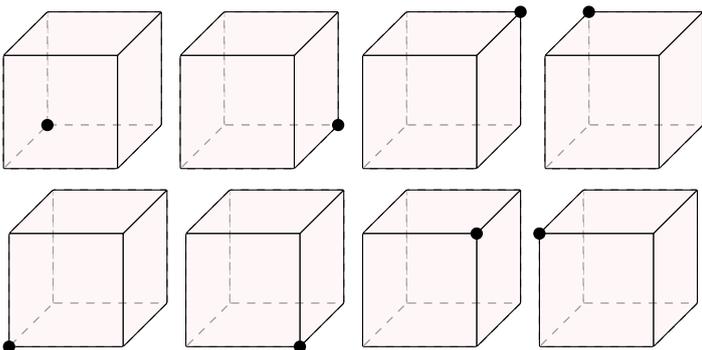
A.4 COUNTING VERTICES

Ex 14: How many vertices does this cube have?



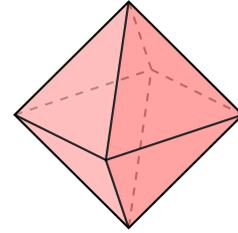
8 vertices

Answer: Count each corner where the lines meet to find the number of vertices.



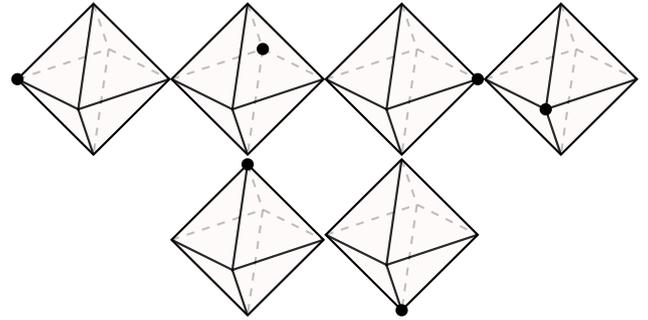
There are **8 vertices**.

Ex 15: How many vertices does this eight-faced die have?



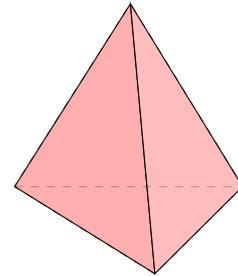
6 vertices

Answer: Count each corner where the lines meet to find the number of vertices.



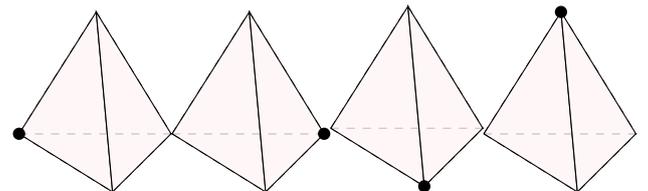
There are **6 vertices**.

Ex 16: How many vertices does this triangular pyramid have?



4 vertices

Answer: Count each corner where the lines meet to find the number of vertices.

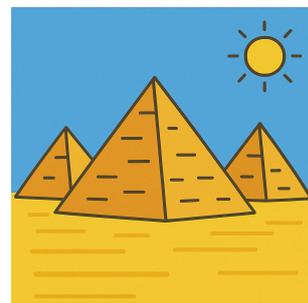


There are **4 vertices**.

B CLASSIFICATION

B.1 FINDING THE SHAPES

Ex 17: Can you find all the pyramids in the picture?



3 pyramids

Answer: The picture shows 3 pyramids.

Ex 18: Can you find all the cubes in the picture?



2 cubes

Answer: A cube is a 3D shape with six equal square faces. Count each cube in the picture. The picture shows boys playing with two cubes. There are **2 cubes**.



Ex 19: Can you find all the spheres in the picture?



3 spheres

Answer: A sphere is a round 3D shape, like a marble. Count each sphere in the picture. The picture shows a girl playing with 3 marbles, which are 3 spheres. There are **3 spheres**.