THREE-DIMENSIONAL SHAPES

A THREE-DIMENSIONAL SHAPES

A.1 IDENTIFYING FLAT OR SOLID SHAPES

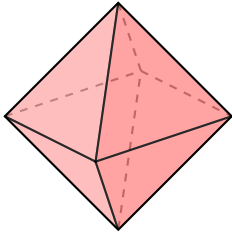**MCQ 1:** Is this shape flat or solid?

Pick the right answer:

☒ 2D shape

☐ 3D shape

Answer: It is a 2D shape because it's flat, with only length and width.
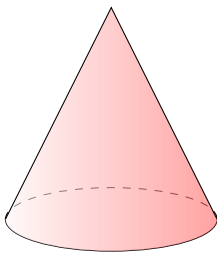
MCQ 2: Is this shape flat or solid?

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.

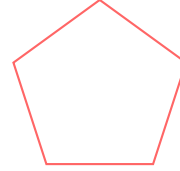**MCQ 4:** Is this shape flat or solid?

Pick the right answer:

☒ 2D shape

☐ 3D shape

Answer: It is a 2D shape because it's flat, with only length and width.
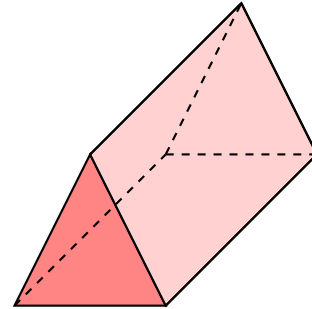
MCQ 5: Is this shape flat or solid?

Pick the right answer:

☒ 2D shape

☐ 3D shape

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

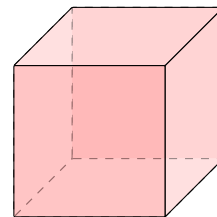**MCQ 6:** Is this shape flat or solid?

Pick the right answer:

☐ 2D shape

☒ 3D shape

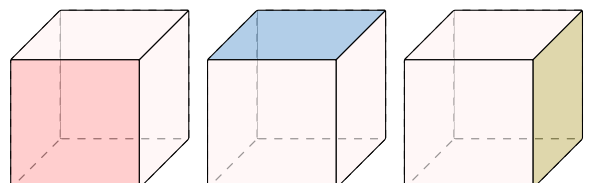*Answer:* It is a 3D shape because it's solid, with length, width, and depth.
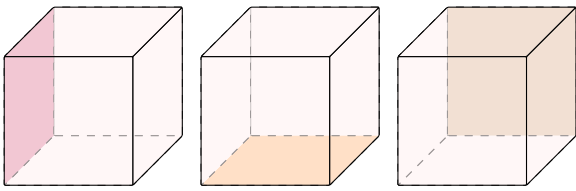
A.2 COUNTING FACES

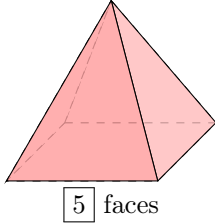**Ex 7:** How many faces does this cube have?

6 faces

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

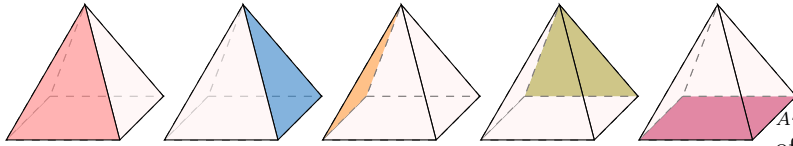There 6 faces.

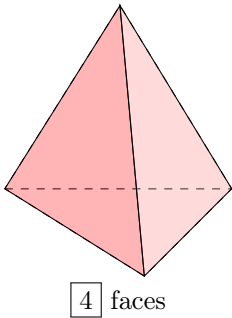**Ex 8:** How many faces does this square Pyramid have?

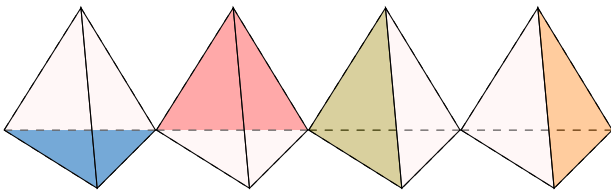$\boxed{5}$ faces

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

There are **5 faces**.

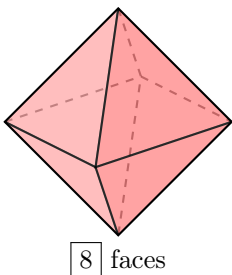**Ex 9:** How many faces does this triangular pyramid have?

$\boxed{4}$ faces

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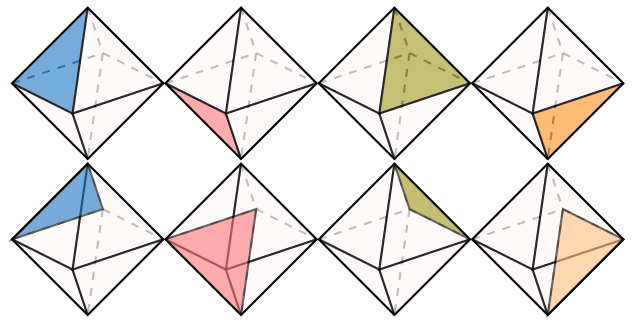

There are **4 faces**.

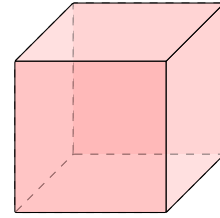**Ex 10:** How many faces does this eight-faced die have?

$\boxed{8}$ faces

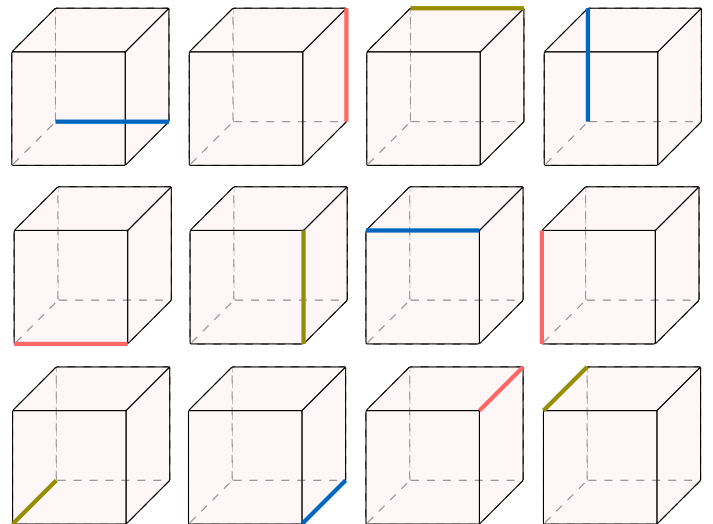*Answer:* Count each flat surface to find the number of faces.

There are **8 faces**.

A.3 COUNTING EDGES

Ex 11: How many edges does this cube have?
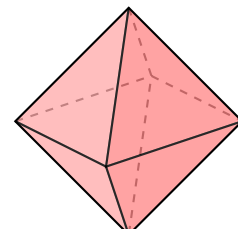

$\boxed{12}$ edges

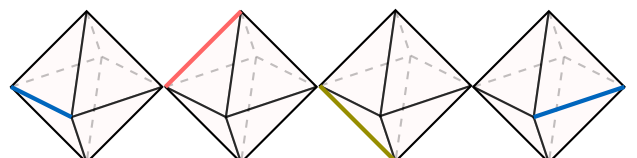*Answer:* Count each line where two faces meet to find the number of edges.
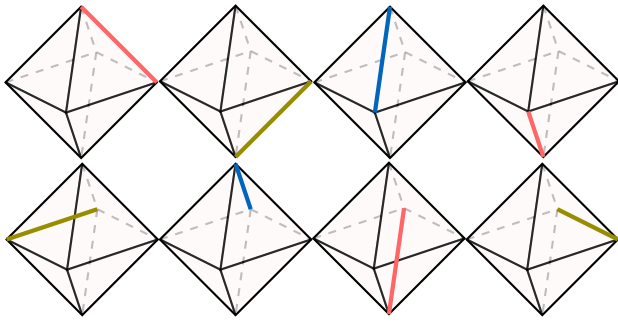

There are **12 edges**.

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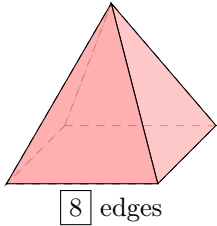

$\boxed{12}$ edges

Answer: Count each line where two faces meet to find the number of edges.
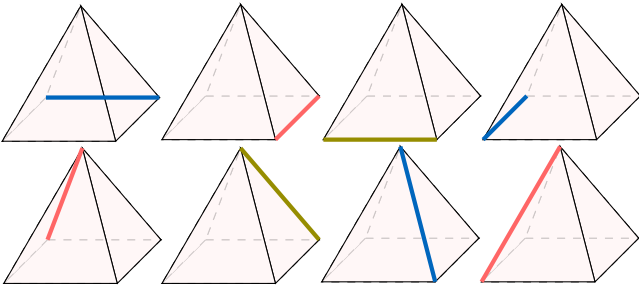
There are **12 edges**.

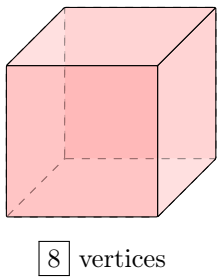**Ex 13:** How many edges does this square Pyramid have?

$\boxed{8}$ edges

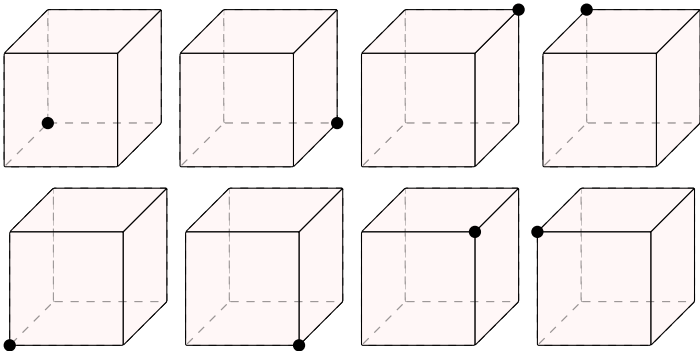*Answer:* Count each line where two faces meet to find the number of edges.

There are **8 edges**.

A.4 COUNTING VERTICES
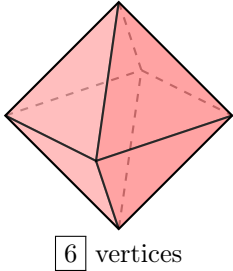
Ex 14: How many vertices does this cube have?

$\boxed{8}$ vertices

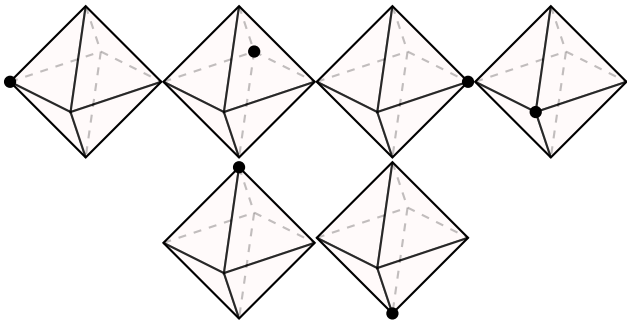*Answer:* Count each corner where the lines meet to find the number of vertices.

There are **8 vertices**.

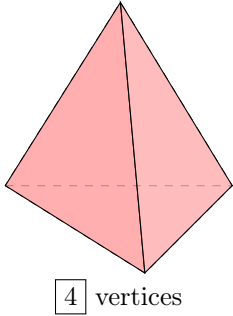**Ex 15:** How many vertices does this eight-faced die have?

$\boxed{6}$ vertices

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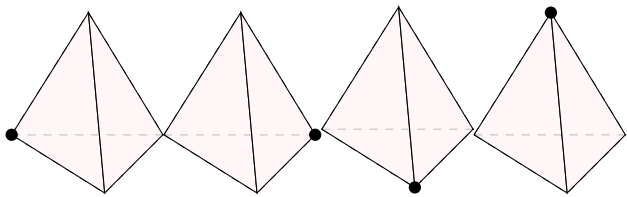

There are **6 vertices**.

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

$\boxed{4}$ vertices

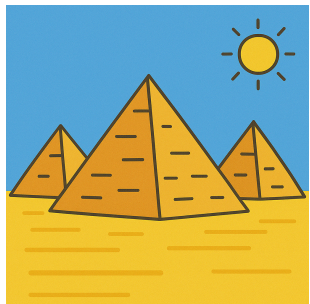*Answer:* Count each corner where the lines meet to find the number of vertices.

There are **4 vertices**.

B CLASSIFICATION

B.1 FINDING THE SHAPES

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

$\boxed{3}$ pyramids

Answer: The picture shows 3 pyramids.

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

$\boxed{2}$ 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?

$\boxed{3}$ 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**.