

LESSON 1 ... Draw points , lines and rays

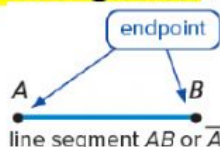
(الهدف) Outcomes: I can Draw Points, Lines , Rays and identify each figures

**Point A**

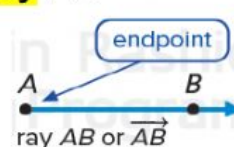
An exact location represented by a dot

Line AB

a straight set of points that extend forever in opposite direction

Line segment AB

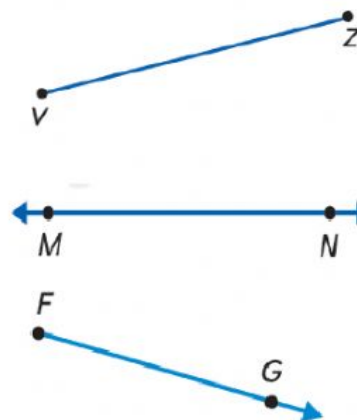
A part of a line between two endpoint

ray AB

One endpoint and one direction without ending

Q1 : Choose the correct answer:

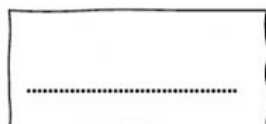
- Which is the correct way to represent the figure :
 a) $\overleftrightarrow{VZ}$ b) $\overrightarrow{VZ}$ c) $\overleftrightarrow{VZ}$
- Which is the correct way to represent the figure :
 a) $\overrightarrow{MN}$ b) $\overleftrightarrow{MN}$ c) $\overline{MN}$
- Which correct name of the figure :
 a) line segment b) ray c) line
- A is part of a line between two endpoints
 a) line segment b) ray c) line

**Q2 : Draw each figures :**

1) Point T

2) $\overleftrightarrow{YZ}$ 3) $\overrightarrow{CR}$ 4) $\overline{AW}$ **Q3 : Word problem :**

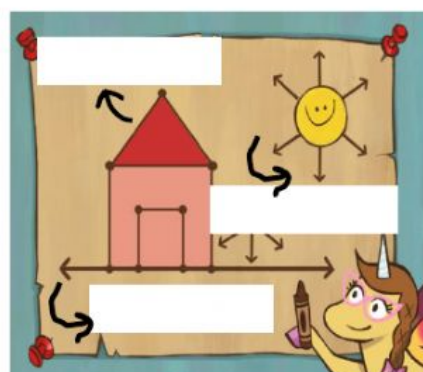
Identify the figure that is shown on the stop sign.

**Write :**

Line

Ray

Line segment

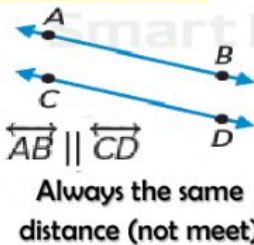




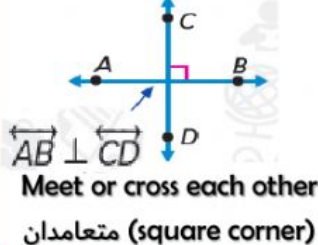
LESSON 2 ... Draw parallel and perpendicular lines

(الهدف) Outcomes: We are learning about a intersecting-parallel and perpendicular

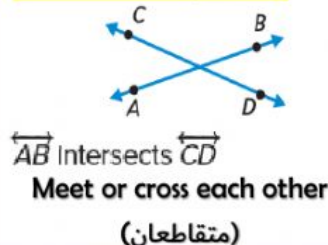
Parallel lines



Perpendicular lines



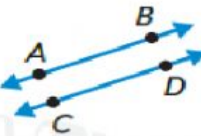
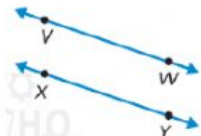
intersecting lines



Types of lines

Q1 : Choose the correct answer :

- In This figure $\overleftrightarrow{LM}$ and $\overleftrightarrow{JK}$ are :
 a) Parallel b) Perpendicular c) intersecting
- In This figure $\overleftrightarrow{VW}$ and $\overleftrightarrow{XY}$ are :
 a) Parallel b) Perpendicular c) intersecting
- What is the correct description of the figure :
 a) $\overleftrightarrow{AB} \parallel \overleftrightarrow{CD}$ b) $\overleftrightarrow{AB}$ intersect $\overleftrightarrow{CD}$ c) $\overleftrightarrow{AB} \perp \overleftrightarrow{CD}$



Q2 : Draw each figures :

1) $\overleftrightarrow{DE} \parallel \overleftrightarrow{FG}$

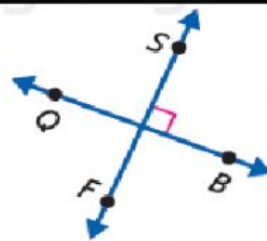
2) $\overleftrightarrow{RS}$ intersect $\overleftrightarrow{TU}$

3) $\overleftrightarrow{NO} \perp \overleftrightarrow{PQ}$

Q2 : word problem :

Ismail's school is at the corner of High Street and Second Avenue. The corner forms a right angle. How might he describe the way the streets meet at his school?

- The streets are parallel.
- The streets are intersecting, but not perpendicular.
- The streets never meet.
- The streets are perpendicular.



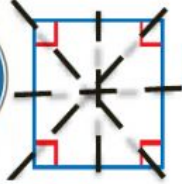
Which is the correct description of the figure?

- $\overleftrightarrow{QB} \parallel \overleftrightarrow{SF}$
- $\overleftrightarrow{QB} \perp \overleftrightarrow{SF}$
- $\overleftrightarrow{QS} \perp \overleftrightarrow{BF}$
- $\overleftrightarrow{QS} \parallel \overleftrightarrow{BF}$



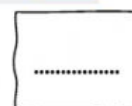
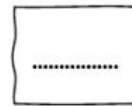
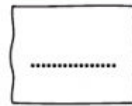
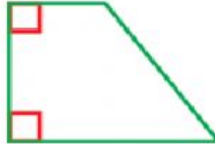
LESSON 3 ... Draw lines of symmetry

(الهدف) outcome: I can identify figures with a line of symmetry (equal part)

Line symmetry : a line make that one half of the figure matches the other half

have line symmetry

Don't have line symmetry

Q1 : Determine whether each figure has line symmetry, write yes or no:**Q2 : Choose the correct answer :**

1) How many line symmetry in this figure :

a) 0

b) 1

c) 2



2) How many line symmetry in this figure :

a) 0

b) 1

c) 2



3) How many line symmetry in square :

a) 0

b) 2

c) 4

4) How many line symmetry in rectangle :

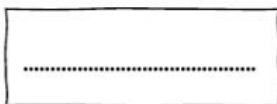
a) 0

b) 2

c) 4

Q3 : Problem solving:**Mathematical Practices**

Stop and Reflect Laila saw this sign on her way home from school. Does this sign have line symmetry? Explain.



How many lines of symmetry does the sign have?

(A) 3

(C) 1

(B) 2

(D) 0



LESSON 4+5 ... Three dimensional figures (3D) Prisms

(الهدف) Outcomes: find names of 3D and number of faces, edges and vertex

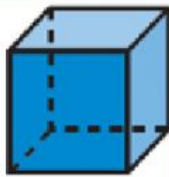
Cube

All faces are congruent square

Faces = 6

Edges = 12

Vertex = 8



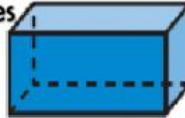
Rectangular prism

6 rectangle faces

Faces = 6

Edges = 12

Vertex = 8



Triangular prism

Triangle bases

Faces = 5

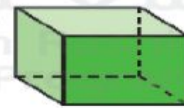
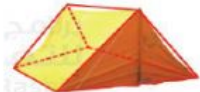
Edges = 9

Vertex = 6



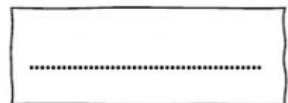
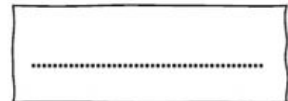
Q1 : Choose the correct answer :

- 1) Identify the figure :
 a) cube b) rectangular prism c) triangular prism
- 2) How many faces in rectangular prism :
 a) 5 b) 6 c) 8
- 3) How many vertex in triangular prism :
 a) 5 b) 6 c) 8
- 4) All the faces in a cube :
 a) square b) rectangle c) triangle
- 5) How many edges in this figure :
 a) 6 b) 9 c) 12



Q2 : word problem :

- 1) Jamal made a simple drawing of his house. It is a three-dimensional figure with four faces that are rectangular and two that are square. What kind of figure is it?
- 2) A toy box has 6 faces that are squares. There are 12 edges and 8 vertices. Identify the shape of the toy box.
- 3) Which statement is true about the three-dimensional figure that most closely represents the slice of pie?
 - (A) The figure has 4 vertices.
 - (B) The figure has 6 vertices.
 - (C) The figure has 8 vertices.
 - (D) The figure has 9 vertices.



Easy as pie





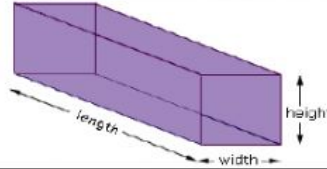
LESSON 6+7 ... Volume of Prisms (V)

(الهدف) Outcomes: Volume (V) = length (L) × width (W) × height (H)

Volume: is the amount of space inside a 3D figure

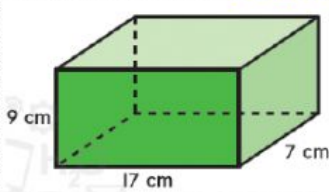
$$V = l \times w \times h$$

$$V = B \times h$$



volume (V)
.length (l)
.width (w)
.height (h)

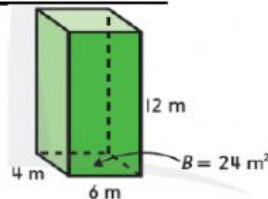
Q1 : Find the volume of Prism :



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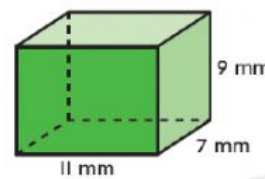
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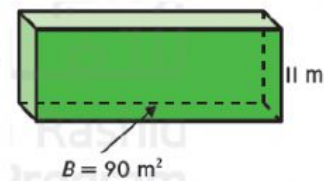
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Q2 : Problem Solving :

- Find the volume of the Frog Queen building in Graz, Austria. The building is 18 meters long, 17 meters tall, and 18 meters wide.
- Rana keeps her recipes in a box with dimensions 18 centimeters, 13 centimeters, and 10 centimeters. What is the volume of the box?

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What is the volume of the prism shown at the right?

- (A) 1,000 m³
- (B) 1,200 m³
- (C) 1,500 m³
- (D) 1,800 m³

