



SENARO EDUCATION CENTER

School of English Medium Studies

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MATHEMATICS

GRADE 06

Lesson 08 – DIRECTIONS. Worksheet

1. Expressing Location in Eight Directions:
 - a) Define the term "direction" in your own words.
 - b) Name the eight directions: north, south, east, west, northeast, northwest, southeast, southwest.
 - c) Give an example of a location expressed in terms of each of the eight directions.
2. Identifying Horizontal and Vertical Directions:
 - a) Define the terms "horizontal" and "vertical" in your own words.
 - b) Draw a horizontal line.
 - c) Draw a vertical line.
 - d) Give two examples of horizontal directions.
 - e) Give two examples of vertical directions.
3. Expressing Location in Terms of Directions:
 - a) From your current location, describe the direction of a nearby shop.
 - b) From your school, describe the direction of a library.
 - c) From your home, describe the direction of a grocery store.
 - d) From a mountain top, describe the direction of a river.
4. Identifying Directions on a Map:
 - a) Look at a map and identify the direction of a nearby lake.
 - b) Look at a map and identify the direction of a city center.
 - c) Look at a map and identify the direction of a train station.
5. Mixed Problems:
 - a) From your house, describe the direction of the nearest post office and the nearest hospital.
 - b) From your school, describe the direction of a football stadium and a shopping mall.
 - c) From a beach, describe the direction of a lighthouse and a pier.
 - d) In a city, a bridge connects two banks of a river. Describe the orientation of the bridge in terms of horizontal and vertical.
 - e) A tall tower stands in the city center. Describe the orientation of the tower in terms of horizontal and vertical.
6. Word Problems:
 - a) Sarah is standing at Point A and she needs to go to Point B. She walks 100 meters north and then 200 meters east. In which direction is Point B from Point A?
 - b) John is at the park and wants to go to the library. The library is located 500 meters south and 300 meters west. In which direction is the library from the park?
 - c) Sarah is standing at a point and she wants to move in the horizontal direction. Which way should she go?
 - d) John is at a point and he wants to move in the vertical direction. Which way should he go?
7. Horizontal and Vertical Directions:
 - a) Define the terms "horizontal" and "vertical" in your own words.
 - b) Draw a horizontal line and label it as "AB."
 - c) Draw a vertical line and label it as "CD."

- d) Identify the horizontal direction in line AB.
 - e) Identify the vertical direction in line CD.
8. Horizontal and Vertical in Real-Life Scenarios and represent it as horizontal or vertical:
- a) Imagine a road that runs from east to west.
 - b) Imagine a tall building with floors numbered from bottom to top.
 - c) Think of a bookshelf with books arranged left to right on each shelf.
 - d) Consider a flagpole with a flag that goes from bottom to top.
9. Identifying Horizontal and Vertical Directions:
- a) Look around your classroom and identify two objects that have a horizontal orientation.
 - b) Look around your classroom and identify two objects that have a vertical orientation.
10. Horizontal and Vertical on a Sri Lanka Map and give an example for each based on it:
- a) Look at a map and identify a road that runs horizontally.
 - b) Look at a map and identify a river that flows vertically.