

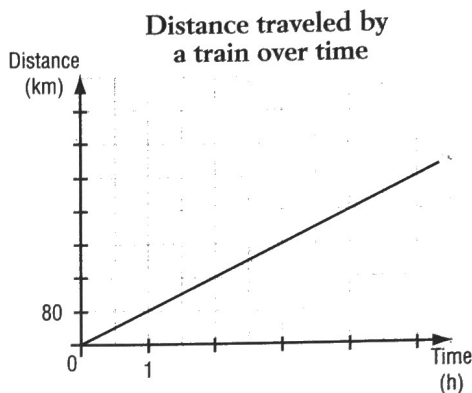
1. Using a graph, we represent the distance traveled by a freight train moving at a constant speed.

- As time goes by, does the distance traveled increase or decrease?

- How many kilometers does the train travel in 150 minutes?

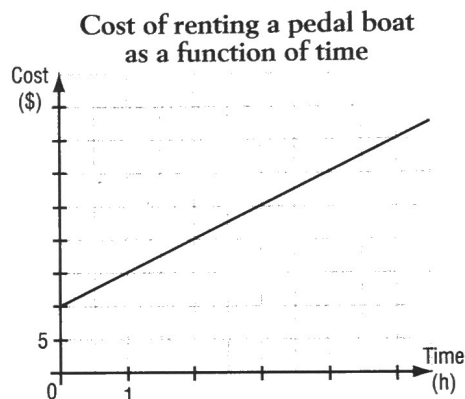
- How long does the train take to travel 240 km?

- What is the total distance traveled by the train if it is traveling for 6 hours and 15 minutes?



2. The following graph illustrates the relation between the duration (in hours) of the rental of a pedal boat and the cost (\$) of the rental.

- How much does it cost to rent the pedal boat for 3 hours and 30 minutes? _____
- How long was the rental of the pedal boat if the cost is \$22.50? _____
- Describe the rules for renting the pedal boat by indicating
 - The initial cost (base cost). _____
 - The hourly rate. _____



3. The following graph illustrates the relation between the quantity of gasoline (in litres) in the gas tank of a car and the distance (in km) traveled by this car. Initially, the car's tank was filled to capacity.

- Does the quantity of gas in the tank increase or decrease when the distance traveled increases?

- Describe this situation by indicating
 - The total capacity of the gas tank. _____
 - The average consumption of gas per 100 km. _____
- After how many kilometers is the gas tank empty? _____
- What is the quantity of gas in the tank after the car has traveled 225 km?

