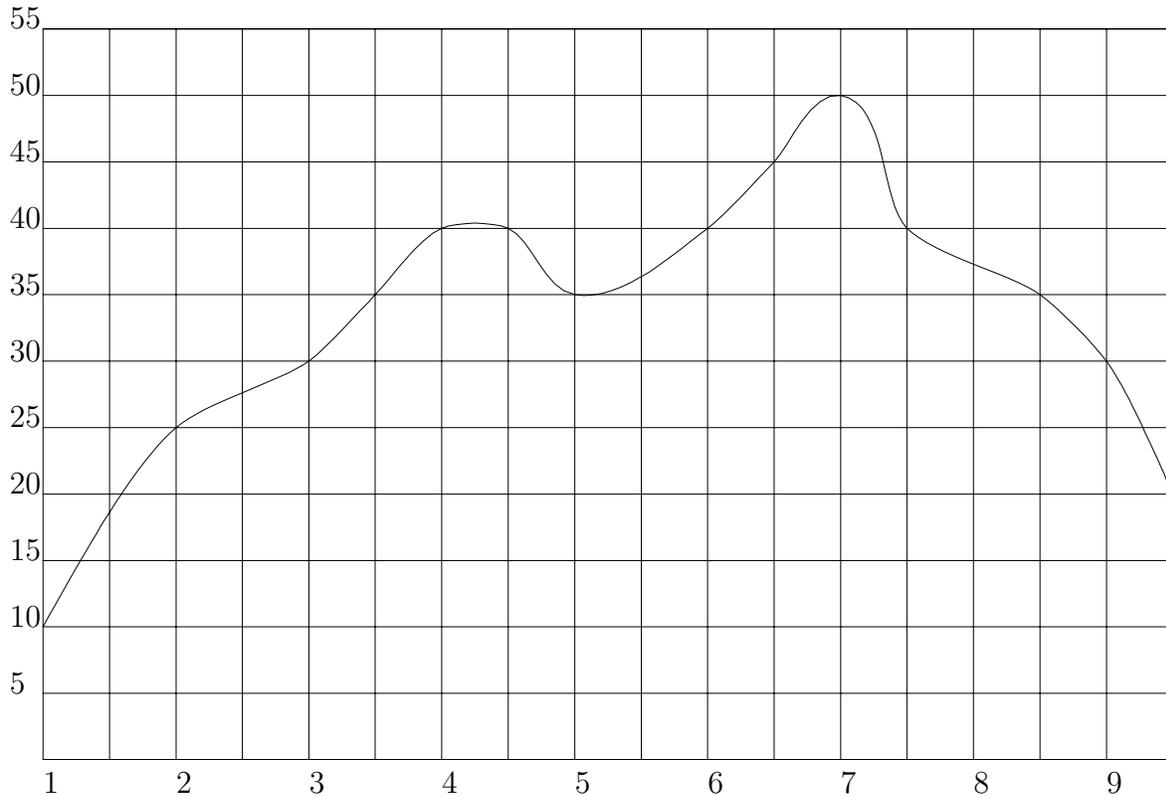


# Worksheet on the Basics of Reading a Graph.

A function  $P = f(t)$  is given by the graph below.



1. What are the following numbers:

- (a)  $f(1) =$
- (b)  $f(7) =$
- (c)  $f(5.5) =$
- (d)  $f(2.5) =$

2. Solve the following

- (a)  $f(t) = 10$
- (b)  $f(t) = 25$
- (c)  $f(t) = 37$

$t =$  \_\_\_\_\_

$t =$  \_\_\_\_\_

$t =$  \_\_\_\_\_

3. What is the largest that  $P = f(t)$  becomes on the interval  $1 \leq t \leq 9.5$ ?

\_\_\_\_\_

4. For that value of  $t$  is  $P = f(t)$  the largest?

\_\_\_\_\_

5. Where is the function increasing the most rapidly?

\_\_\_\_\_

6. Where is the function decreasing the most rapidly?

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