If the AM of a set of two observations is 9 and its GM is 6, Then the HM will be

SOLUTION :

Let a and b be two numbers. Then,

$$\frac{a+b}{2} = 9, \sqrt{ab} = 6$$

$$a + b = 18, ab = 36$$

$$HM = \frac{2ab}{a+b} = \frac{2(36)}{18}$$

$$= 2(2) = 4$$