

**Quiz 62** .....

- 1. Suppose  $y$  varies directly with  $x$ , and  $y = 12$  when  $x = 4$ . Find  $y$  when  $x = 2$ .
  
  
  
  
  
  
  
  
  
  
- 2. Suppose  $y$  varies inversely with  $x$ , and  $y = -4$  when  $x = -5$ . Find  $x$  when  $y = 2$ .
  
  
  
  
  
  
  
  
  
  
- 3. Write the explicit formula of the sequence 15, 17, 19, 21, 23, ...
  
  
  
  
  
  
  
  
  
  
- 4. Write the recursive formula of the sequence 1, 5, 25, 125, 625, ...
  
  
  
  
  
  
  
  
  
  
- 5. During a science experiment, Carol found that bacteria double every hour. There were 20 bacteria at 1 pm. How many bacteria will be there at 6 pm on the same day?