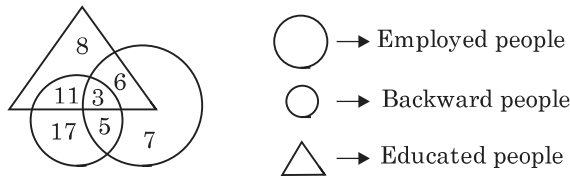


18. Examine the following information and answer the question that follows :



How many backward uneducated people are employed?

- (a) 3  
(b) 4  
(c) 5  
(d) 6
19. To go from the engine to the last coach of his train of length 200 m, a man jumped from his train to another train moving on a parallel track in the opposite direction, waited till the last coach of his original train appeared and then jumped back. In how much time did he reach the last coach if the speed of each train was 60 km/h?
- (a) 5 seconds  
(b) 6 seconds  
(c) 10 seconds  
(d) 12 seconds
20. Examine the information given below.

Two statements, labelled 1 and 2, are given below. You have to decide whether the data given in the statements are sufficient for answering the question. Using the data given in the statements, you have to choose the correct alternative.

A set 'S' contains the following elements :  
{7, 11, 15, 19, 23, x}.

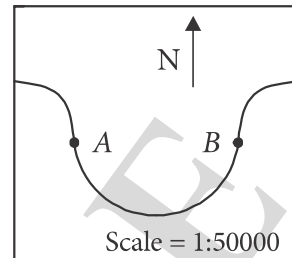
#### Statements

1. The elements are in arithmetic progression.
2. x is a prime number.

What is the value of x ?

- (a) Statement 1 alone is sufficient but statement 2 alone is not sufficient to answer the question asked  
(b) Statement 2 alone is sufficient but statement 1 alone is not sufficient to answer the question asked.  
(c) Both statements 1 and 2 together are sufficient to answer the question asked but neither statement alone is sufficient to answer the question asked.  
(d) Each statement alone is sufficient to answer the question asked.

21. The map given below shows a meandering river following a semi-circular path, along which two villages are located at A and B, the distance between A and B along the east-west direction in the map is 7 cm. what is the length of the river between A and B in the ground?



- (a) 1.1 km  
(b) 3.5 km  
(c) 5.5 km  
(d) 11.0 km
22. Three volumes of a Hindi book, identical in shape and size, are next to each other in a shelf, all upright, so that their spines are visible, left to right; I, II and III. A worm starts eating the spine of books, from the outside front cover of volume I, and eats its way horizontally to the outside back cover of volume III. What is the distance travelled by the worm, if each book is 6 cm thick?
- (a) 6 cm  
(b) 12 cm  
(c) 18 cm  
(d) a little more than 18 cm
23. A cubical piece of wood was filed to make it into the largest possible sphere. What fraction of the original volume was removed?

- (a) More than  $\frac{3}{4}$   
(b)  $\frac{1}{2}$   
(c) Less than  $\frac{1}{2}$   
(d) Between  $\frac{1}{2}$  &  $\frac{3}{4}$