

Name- Mohd Nigran Zahid Madki.

Class- 7th

**School- K.C.Thackeray Vidya nicketan
school.**

Age- 12

Name:- Mohd Nigam Zahid Madki

Roll No:- 14

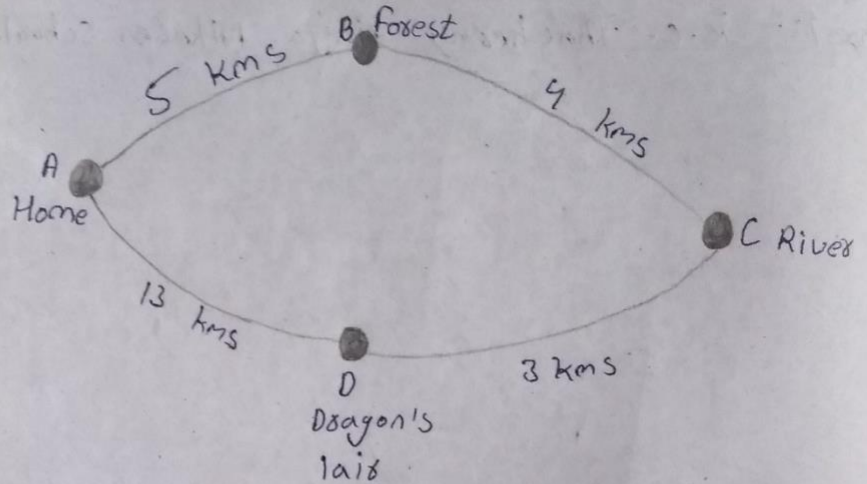
Class:- 7th

School:- K.C. Thackeray Vidya Niketan School.

- Problem

The farmer has to go the Dragon's lair and there are two different ways to go.

- Solution



1.

| Location | Distance | previous distance |
|----------|----------|-------------------|
| A | X | X |
| B | X | X |
| C | X | X |
| D | X | X |

2.

| Location | Distance | previous distance |
|----------|----------|-------------------|
| A | 0 | A |
| B | 5 | A |
| C | 0 | A |
| D | 13 | A |

3.

| Location | Distance | previous Distance |
|----------|----------|-------------------|
| A | 0 | A |
| B | 5 | A |
| C | 9 | B |
| D | 13 | A |

4.

| Location | Distance | previous distance |
|----------|----------|-------------------|
| A | 0 | A |
| B | 5 | A |
| C | 9 | B |
| D | 12 | C |

$$D \leftarrow C \leftarrow B \leftarrow A = 12 \text{ kms}$$

$$D \leftarrow A = 13 \text{ kms}$$

- Statement

The farmer choose the shortest route to go dragon's lair and he choose the distance of 12 kms means he will go $A \rightarrow B \rightarrow C \rightarrow D$ not to distance 13 kms means $A \rightarrow D$.

$$13 \text{ kms} > 12 \text{ kms}$$

