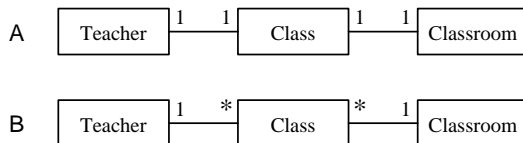


Q51. The entity-relationship diagrams **A** and **B** shows the relationships between three entities in a school: teacher, class, and classroom. Which of the following is an appropriate interpretation concerning the diagrams? Here, "11" shows a one-to-one relationship while "1*" shows a one-to-many relationship.



- In **A**, a teacher is responsible for one class only. In **B**, a teacher may be responsible for one or more classes.
- In **A**, one class is always assigned to the same classroom. In **B**, one class may be assigned to one or more classrooms.
- In **A**, one class is always supervised by one teacher. In **B**, one class may be supervised by one or more teachers.
- In **A**, when a teacher or a classroom is decided, a single class will be decided. In **B**, if a teacher and a classroom are decided, a single class will be decided.