

# Database Design

## 5-3: Resolving Many-to-Many Relationships

### Practice Solutions

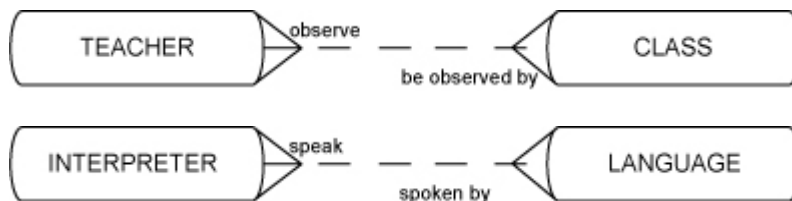
#### Vocabulary

Directions: Identify the vocabulary word for each definition below.

Barred relationship	A relationship that participates in an entity's unique identifier.
Intersection entity	The product of the resolution of a many to many relationship.

#### Try It / Solve It

1. Resolve the M:M between TEACHER and CLASS as well as INTERPRETER and LANGUAGE. For each intersection entity, think of additional attributes like a UID.



**Solution:** Some intersection entities will look “empty,” and this can confuse the students. Point out that this doesn’t mean that there are no attributes. There is at least a UID for this entity, and it is a combination of the UIDs of the originating entities. In the ERD, we don’t put the same attribute in two different places, so we represent this with the bar.

