

Identify how the left and right columns are related.

Entity Set	(a) Has a Relationship with	(b) Has an Attribute that is	(c) Is a Specialization of	(d) Is a Generalization of	Entity Set or Attribute
1. MOTHER					PERSON
2. DAUGHTER					MOTHER
3. STUDENT					PERSON
4. STUDENT					Student_id
5. SCHOOL					STUDENT
6. SCHOOL					CLASS_ROOM
7. ANIMAL					HORSE
8. HORSE					Breed
9. HORSE					Age
10. EMPLOYEE					SSN
11. FURNITURE					CHAIR
12. CHAIR					Weight
13. HUMAN					WOMAN
14. SOLDIER					PERSON
15. ENEMY_COMBATANT					PERSON

Suggest cardinality ratios for these binary relationships.

Entity 1	Cardinality Ratio	Entity 2
1. STUDENT	_____	SOCIAL_SECURITY_CARD
2. STUDENT	_____	TEACHER
3. CLASSROOM	_____	WALL
4. COUNTRY	_____	CURRENT_PRESIDENT
5. COURSE	_____	TEXTBOOK
6. ITEM (that can be found in an order)	_____	ORDER
7. STUDENT	_____	CLASS
8. CLASS	_____	INSTRUCTOR
9. INSTRUCTOR	_____	OFFICE
10. EBAY_AUCTION_ITEM	_____	EBAY_BID