

1. MoviesDB (FDS 3.28)

Answer | Assumption

1. True, zero or many!

2. True, it doesn't specify exactly how many, could be less than 10 or more than 10

3. True, there's no arrow pointing to association or movies

4. False, Lead role has maximum of 1 or none.

5. False, director could be an actor in no movies.

6. True, zero or one.

7. False, he could be in no or many movies.

8. True

9. True, relation to Actors, doesn't have to be in a movie but could also be a director

10. True and False, most movies do but not all movies do.

11. True, many to many producers.

12. True

13. False

2. Births (DBS 2.2.6 and 2.2.7)

1. [Mother] One to Many [Children]. **flaw:** redundancy in name attribute

2. I would suggest the 2.1.5 from 2.Entity-relationship model every child has to have a mother and she is unique, maybe a rounded arrow, every child has to have a mother but every mother is different, or one-one relationship arrow. Or simply add attributes. **flaw:** ? more specific

3. Attributes added, multi / keyAttributes. **flaw:** more specific?

Regarding the problem: Then I would do as shown in diagram

That many birth are possible by mother, but a child's birth(born) is only possible once.

many doctors

many nurses

many births

one birth

one mother

