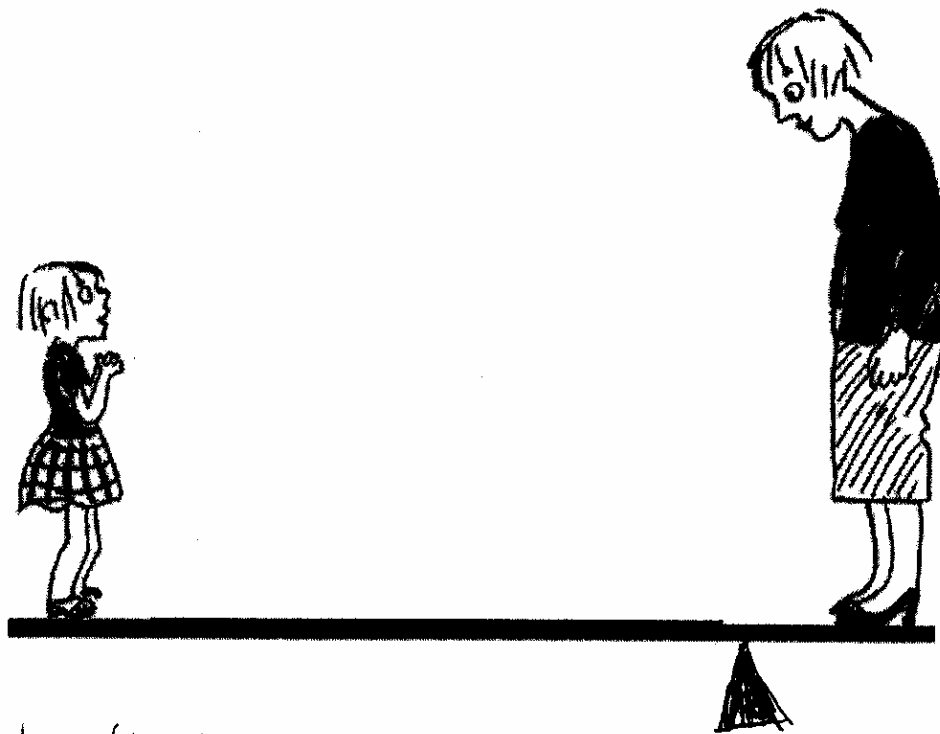


**Student Score = 11**

2. A teacher is standing on one end of a lever beam and a 3<sup>rd</sup> grade student is standing on the other end. The student has been challenged to lift the teacher.

Draw where the fulcrum should be placed to provide the student with the **greatest** mechanical advantage. Use a triangle to represent the fulcrum. Explain your reasoning for the placement of the fulcrum in terms of effort force.



I think the fulcrum should be placed there because this makes the job easier but the little girl has to push a greater distance.

**Student Response**

I think the fulcrum should be placed there because this makes the job easier but the little girl has to push a greater distance.