

Anna is a bit immature for her age and so argues when it comes time for her to go to bed. There is a $\frac{3}{5}$ chance that she will go to bed late on a school night and a $\frac{7}{10}$ chance that she will go to bed on either a Friday or Saturday night.

Anna goes to bed on Thursday and then again on Friday.

Represent this in a tree diagram.

Find the probability that Anna will go to bed late on either Thursday or Friday of one week.