

1. Jill is measuring the beanstalk that starts at 1 cm and has a growth factor of 3 each day. She recorded the height of the beanstalk on Day $\frac{1}{5}$ as 1.2457 cm. Do you think she measured accurately? Why or why not?

2. When do you think the beanstalk will reach a height of 1.2457^3 cm? Justify your answer using a timeline.

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