**Dividing fractions using saguaros**

Exercise 1: Conversion

|  |  |  |  |
| --- | --- | --- | --- |
| Height in decimal | Height in fraction | Height in decimal | Height in fraction |
| 7.00 | 7/1 | 7.625 | 7625/1000 |
| 45.78 |  | 599.05 |  |
| 310.10 |  | 500.50 |  |
| 17.80 |  | 45.65 |  |
| 444.90 |  | 200.25 |  |
| 143.75 |  | 29.55 |  |
| 300.45 |  | 1400.25 |  |

\*\* Saguaro Heights are in cm

Use the blank space to show your work.

Exercise 2: Dividing fractions by fractions

1. A group of students decide to measure the height of saguaros on a particular plot as part of their group project. However, by the end of the day, they have only measured saguaros on ¾ of the plot. If there were 5 students, what fraction of the plot has each student covered? Show your work.
2. Inspired by their school project, Linda decides to measure the height of the saguaro growing in her backyard. She finds out that the saguaro is 8 ½ feet tall. How many of Linda’s height are needed to match the height of the saguaro? Linda is 4 feet tall.
3. Eric learns that saguaros can live up to 200 years! If the average life expectancy at birth for humans is 70 ½ years, how many human life times would it take to reach 200 years?
4. Amanda decides to plant a row of saguaro seeds in her backyard. In order to do so, she will need about 2 3/5 square feet. Her backyard has 9 square feet. How many rows of saguaro can Amanda plant?
5. Saguaros take a long time grow. If a 25 years old saguaro is 81.35 cm tall, how tall did it grow each year?
6. Anna is a Tohono O’odham native. During saguaro fruit picking season, she decides to save 11 of the saguaro fruits to give to her friends. If she wants to give 1 ¼ of saguaro fruits to each of her friends, how many of her friends will get some saguaro fruits?