

# Multiplying Fractions | Word Problems

Answer Key

- 1) Rhea bought rectangular rug measuring  $\frac{19}{2}$  feet in length and  $\frac{15}{2}$  feet in width. Find the area of the rug. (Hint: Area = length  $\times$  width)

**$\frac{285}{4}$  or  $71 \frac{1}{4}$  square feet**

- 2) Devon harvested  $\frac{5}{8}$  of a barrel of potatoes yesterday. Today, he cut and gathered  $\frac{12}{5}$  times as many potatoes as yesterday. Find the quantity of potatoes Devon picked today.

**$\frac{3}{2}$  or  $1 \frac{1}{2}$  barrels of potatoes**

- 3) The length of a rectangular box is  $\frac{25}{2}$  inches and the width is  $\frac{22}{3}$  inches. Find the area of the box. (Hint: Area = length  $\times$  width)

**$\frac{275}{3}$  or  $91 \frac{2}{3}$  square inches**

- 4) Sabrina planted  $\frac{33}{10}$  rows of cucumbers in her vegetable garden. If she planted  $\frac{7}{3}$  times as many rows of radishes as cucumbers, how many rows of radishes did Sabrina plant?

**$\frac{77}{10}$  or  $7 \frac{7}{10}$  rows of radishes**

- 5) A sheet of square plywood has sides measuring  $\frac{21}{4}$  inches. Calculate the area of the sheet. (Hint: Area = side  $\times$  side)

**$\frac{441}{16}$  or  $27 \frac{9}{16}$  square inches**