

$$\frac{6}{7} \times 9\frac{2}{3} = ?$$

First convert $9\frac{2}{3}$ to a mixed number.

9 times 3 equals 27. 27 plus 2 is 29.

$$9\frac{2}{3} = \frac{29}{3}$$

$$\frac{6}{7} \times \frac{29}{3} = \frac{174}{21}$$

$\frac{174}{21}$ reduces to $\frac{58}{7}$ when you divide the numerator and denominator by 3.