

Sec 4.5 Converting from Fraction Notation to Decimal Notation

Write the fraction in decimal notation.

1) $\frac{13}{16}$

5) $\frac{12}{11}$

2) $\frac{135}{200}$

6) $\frac{7}{12}$

3) $\frac{917}{200}$

Write as a decimal number rounded as indicated.

7) $\frac{5}{7}$; Round to the nearest hundredth.

4) $\frac{29}{20}$

8) $\frac{31}{7}$; Round to the nearest tenth.

9) $0.4\overline{8}$; Round to the nearest hundredth.

10) $\overline{0.78}$; Round to the nearest hundredth.

Find the requested average, and round your answer as indicated.

15) The table below shows the square footage of homes of a group of families. Find the average square footage and round to the nearest tenth.

Find the requested ratio in decimal notation rounded to the nearest thousandth.

11) At the opening night of a theater production, there are 182 women and 383 men in the audience. For this set of people, what is the ratio of women to men?

Family	Area of Home in Square Feet
The Lindens	32,806
The Douglasses	8553
The Kimballs	8719
The Ravenswoods	7918
The Swifts	4972
The Jacksons	1564

12) At the opening night of a theater production, there are 466 women and 252 men in the audience. For this set of people, what is the ratio of women to the total number of people?

Calculate.

16) $\frac{31}{9} \times 64.73$

Convert the stock price to decimal notation and to decimal notation rounded to the nearest hundredth.

13) The stock price of a homeowners' insurance company dropped to $\$35\frac{1}{16}$ per share after a severe hurricane caused damage to coastal regions.

17) $9.814 \times 6\frac{2}{3}$

Find the gasoline mileage rounded to the nearest tenth.

14) 311.1 miles; 13.7 gallons

$$18) 29\frac{4}{5} + 19.88$$

$$19) 7\frac{3}{8} + 9.291$$

$$20) 124.23 \div \frac{3}{5} + 42.64 \times \frac{1}{4}$$

$$21) \frac{3}{4} \times 0.058 + \frac{6}{5} \times 5.90$$