

1.2 Rates and Ratios

1)

b) Rate = $57 \frac{\text{mi}}{\text{hr}}$

5)

a) $125 \frac{\text{apples}}{\text{hr}}$

b) $0.222 \frac{\text{house}}{\text{day}}$

c) $0.333 \frac{\text{bike}}{\text{hour}}$

7)

a) $\frac{3}{4}$

b) $\frac{2}{5}$

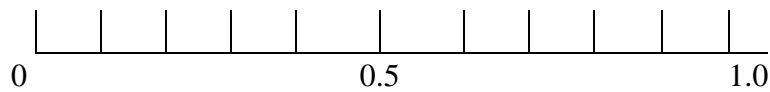
c) $\frac{7}{10}$

d) $\frac{1}{3}$

e) $\frac{5}{8}$

f) $\frac{2}{3}$

11)



13)

a) $\frac{13}{20}$

b) $\frac{31}{25}$

c) $\frac{23}{40}$

d) $\frac{2}{5}$

e) $\frac{201}{250}$

15)

a) $.3 = 3/10$

b) $.33 = 33/100$

c) $.333 = 333/1000$

d) $.3333 = .3333$

e) $.3333333333 = .3333333333$

f) $.333333333333 = 1/3$ —CAUTION!!!—*This is not literally true!!!*

17)

a) 900

b) 7,000,000,000 (7 billion)

19)

a) $10 \frac{\text{m}}{\text{s}}$

b) $\frac{1}{2}$ (4 mi)

c) $68 + 6$

d) $81 - 9$