

1) a) $0.9 =$ Zero point nine

b) $0.07 =$ Zero point ~~zero~~ seven

c) $0.083 =$ Zero point zero eight seven

d) $0.014 =$ Zero point zero one four

e) $0.005 =$ Zero point zero zero five

f) $0.038 =$ Zero point zero three eight

g) $0.0036 =$ Zero point zero zero three six

h) $27.075 =$ Twenty seven point zero seven five

2) i) Two tenths = (a) $\frac{2}{10}$ (b) 0.2

ii) Four and five tenths = (a) $4\frac{5}{10} = \frac{45}{10}$ (b) 4.5

iii) Five-hundredths = (a) $\frac{5}{100}$ (b) 0.05

iv) Eleven and three hundredths = (a) $11\frac{3}{100}$ (b) 11.03

v) Seventy two hundredths $\langle a \rangle \frac{72}{100}$ $\langle b \rangle 0.72$

vi) Sixteen and twenty seven hundredths $\langle a \rangle \frac{1627}{100}$ $\langle b \rangle 16.27$

vii) Five thousandths = $\langle a \rangle \frac{5}{1000}$ $\langle b \rangle 0.005$

viii) Twenty eight thousandths = $\langle a \rangle \frac{28}{1000}$ $\langle b \rangle 0.028$

3) a) $\frac{12}{100} = 0.12$ $\langle b \rangle \frac{37}{100} = 0.37$ $\langle c \rangle \frac{1}{1000} = 0.001$

e) $\frac{112}{1000} = 0.112$ $\langle d \rangle \frac{35}{1000} = 0.035$

f) $21 \frac{76}{100} = 21.76$ $\langle g \rangle 112 \frac{9}{10} = 112.9$

4) a) $0.45 = \frac{45}{100}$ $\langle b \rangle 0.124 = \frac{124}{1000}$ $\langle c \rangle 0.049 = \frac{49}{1000}$

d) $0.055 = \frac{55}{1000}$ $\langle e \rangle 9.05 = 9 \frac{5}{100} =$ ~~scribbles~~

f) $30.09 = 30 \frac{9}{100}$ $\langle g \rangle 100.225 = 100 \frac{225}{1000}$

5) a) $0.67 = 6$ Tenths $\langle b \rangle 0.163 = 1$ Tenths

c) $0.279 = 7$ hundredths $\langle d \rangle 4.16 = 6$ Hundredths

e) $3.784 = 7$ Tenths $\langle f \rangle 15.75 = 5$ Hundredths

g) $16.12 = 1$ Tens

6) a) $0.48 = 0 + 0.4 + 0.08$

b) $0.714 = 0 + 0.7 + 0.01 + 0.004$

c) $1.75 = 1 + 0.7 + 0.05$

d) $23.345 = 20 + 3 + 0.3 + 0.04 + 0.005$

e) $9.062 = 9 + 0.06 + 0.002$

f) $52.005 = 50 + 2 + 0.005$

g) $5.015 = 5 + 0.01 + 0.005$

h) $815.426 = 800 + 10 + 5 + 0.4 + 0.02 + 0.006$

7) a) $0.46 < 0.5$

b) $0.008 < 0.1$

c) $0.76 > 0.09$

d) $0.48 < 0.7$

e) $0.125 < 0.307$

f) $0.009 < 0.04$

8) a) $0.6, 0.43, 0.7$

ans) $0.43 < 0.6 < 0.7$

b) $0.014, 0.8, 0.006$

ans) $0.006 < 0.014 < 0.8$

c) $0.123, 0.321, 0.103$

ans) $0.103 < 0.123 < 0.321$

d) $0.9, 0.83, 0.8$

ans) $0.8 < 0.83 < 0.9$

e) 3.46, 1.95, 1.99

ans) $1.95 < 1.99 < 3.46$

f) 11.21, 11.211, 11.112

ans) $11.112 < 11.21 < 11.211$

9) a) 0.76, 0.62, 0.67

ans) ~~0.76~~ $0.67 > 0.62$

b) 0.25, 0.56, 0.53

ans) $0.56 > 0.53 > 0.25$

c) 3.41, 6.83, 1.94

ans) $6.83 > 3.41 > 1.94$

d) 0.81, 0.77, 1.05

ans) $1.05 > 0.81 > 0.77$

e) 1.16, 6.11, 1.61

ans) $6.11 > 1.61 > 1.16$

f) 0.246, 0.426, 0.024

ans) $0.426 > 0.246 > 0.024$