

Exercise 10 (A)

1.) a) $0.9 =$ zero point nine.

b) $0.07 =$ zero point zero seven.

ones and tens

c) $0.083 =$ zero point zero eight three.

d) $0.014 =$ zero point zero ^{one} ~~ten~~ 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

a) Two tenths

Ans. $\frac{1}{5}$, 0.2

b) Four and five tenths

Ans. $4\frac{1}{2}$, 4.5

c) Five-hundredths

Ans. $\frac{1}{20}$, 0.05

d) Eleven and three hundredths

Ans. $11\frac{3}{100}$, 11.03

e) $\frac{18}{25}$, 0.72

6a) ~~0.1627~~ ~~0.1627~~ ~~0.1627~~
 (f) sixteen and twenty seven hundredths.

Ans → $16\frac{27}{100}$, 16.27

g) Five thousandths

Ans → $\frac{1}{200}$, 0.005

h) Twenty eight thousandths

Ans → $\frac{7}{250}$, 0.028

3.a) $\frac{12}{100} = 0.12$

e) $\frac{112}{1000} = 0.112$

b) $\frac{37}{100} = 0.37$

f) $\frac{2176}{100} = 21.76$

c) $\frac{1}{1000} = 0.001$

g) $\frac{1129}{10} = 112.9$

d) $\frac{35}{1000} = 0.035$

4. a) 0.45

Ans.) $\frac{45}{100} = \frac{9}{20}$

b) 0.124

Ans.) $\frac{124}{1000} = \frac{62}{500} = \frac{31}{250}$

c) 0.049

Ans.) $\frac{49}{1000}$

d) 0.055

Ans.) $\frac{55}{1000} = \frac{11}{200}$

e) $9 \overline{) 905}$

Ans.) $\frac{9 \overline{) 905}}{106 \overline{) 20}} = \frac{181}{20} = 9 \frac{1}{20}$

f) $30 \overline{) 909}$

Ans.) $\frac{3009}{100} = 30 \frac{9}{100}$

g) $100 \overline{) 225}$

Ans.) ~~$\frac{100 \overline{) 225}}{1000 \overline{) 200}} = \frac{2004}{200} = \frac{1069}{50}$~~

~~$\frac{531}{50}$~~

Ans.) ~~$\frac{100 \overline{) 225}}{1000 \overline{) 200}} = \frac{204}{200}$~~

~~$\frac{100 \overline{) 225}}{1000 \overline{) 200}} = \frac{49}{40} = 1 \frac{9}{40}$~~

5.) Give the place value of the underline digit:

a) $0.\underline{6}7 = 6 \text{ tenths}$

b) $0.\underline{1}63 = 1 \text{ tenth}$

c) $0.2\underline{7}9 = 7 \text{ hundredths}$

d) $7.\underline{1}6 = 6 \text{ hundredths}$

e) $3.\underline{7}84 = 7 \text{ tenths}$

f) $15.\underline{7}5 = 5 \text{ hundredths}$

g) $\underline{1}6.12 = 1 \text{ ten}$

6.) Write each decimal in the expanded form:

a) $0.48 = 0 + .4 + .08$

b) $0.714 = 0 + .7 + .01 + .004$

c) $1.75 = 1 + .7 + .05$

d) $23.345 = 20 + 3 + .3 + .04 + .005$

e) $9.062 = 9 + .06 + .002$

f) $52.005 = 50 + 2 + .005$

g) $5.015 = 5 + .01 + .005$

h) $815.426 = 800 + 10 + 5 + .4 + .02 + .006$

7.) Write '>' or '<'

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.) Arrange the following in ascending order using the sign '<'

a) 0.6, 0.43, 0.7

Ans \rightarrow $0.43 < 0.6 < 0.7$

b) 0.014, 0.8, 0.006

Ans \rightarrow $0.006 < 0.014 < 0.8$

c) 0.123, 0.321, 0.103

Ans \rightarrow $0.103 < 0.123 < 0.321$

d) 0.9, 0.83, 0.8

Ans \rightarrow $0.8 < 0.83 < 0.9$

e) 3.46, 1.95, 1.99

Ans \rightarrow $1.95 < 1.99 < 3.46$

f) 11.21, 11.211, 11.112

Ans \rightarrow $11.112 < 11.21 < 11.211$

9.) Arrange the following in descending order using the sign '>'.

a) 0.76, 0.62, 0.67

Ans \rightarrow $0.76 > 0.67 > 0.62$

b) 0.25, 0.56, 0.53

Ans \rightarrow $0.56 > 0.53 > 0.25$

c) 3.41, 6.83, 1.94

Ans \rightarrow $6.83 > 3.41 > 1.94$

d) 0.81, 0.77, 1.05

Ans \rightarrow $1.05 > 0.81 > 0.77$

e) 1.16, 6.11, 1.61

Ans \rightarrow $6.11 > 1.61 > 1.16$

f) 0.246, 0.426, 0.024

Ans \rightarrow $0.426 > 0.246 > 0.024$