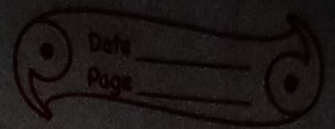


## Exercise 10 (A)



1. Write the Decimal Fractions in words

a.  $0.9 =$  Zero point nine

b.  $0.07 =$  Zero point zero seven

c.  $0.83 =$  Zero point eight three

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. Write the following in fraction form and decimal form

a. Two tenths  $= \frac{2}{10} = 0.2$

b. Four and five tenths  $= 4\frac{5}{10} = 4.5$

c. Five ~~and~~ - hundredths  $= \frac{5}{100} = 0.05$

d. ~~Eleven and three hundredths~~  $\frac{1103}{100}$

d. Eleven and three hundredths =  $11 \frac{3}{100} = 11.003$   
hundredths

e. Seventy two hundredths =  $\frac{72}{100} = 0.72$   
n

f. Sixteen and Twenty seven thousandths =  $16 \frac{27}{1000} = 16.27$

g. Five thousandths =  $\frac{5}{1000} = 0.005$

h. Twenty eight thousandths =  $\frac{28}{1000} = 0.028$

3. Express the following fractions as decimal fractions

a.  $\frac{12}{100} = 0.12$       g.  $112 \frac{9}{10} = 112.9$

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

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

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

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

f.  $21 \frac{76}{1000} = 21.076$

4. Write the following as a fraction or mixed fraction.

Give the answer # in simplified form.

a.  $0.45 = \frac{45}{100} = \text{Simplified form} = \frac{9}{20}$

b.  $0.124 = \frac{124}{1000} = \text{Simplified form} = \frac{31}{250}$

c.  $0.049 = \frac{49}{1000} = \text{Simplified form} = \frac{49}{1000}$

d.  $0.055 = \frac{55}{1000} = \text{Simplified form} = \frac{11}{200}$

e.  $9.05 = 9 \frac{5}{100} = \text{Simplified form} = 9 \frac{1}{20}$

f.  $30.09 = 30 \frac{9}{100} = \text{Simplified form} = 30 \frac{9}{100}$

g.  $100.225 = 100 \frac{225}{1000} = 100 \frac{9}{40}$

5. Give the place value of underlined digit:

(a)  $0.\underline{6}7 = 6 \text{ tenths}$  (d)  $4.\underline{1}6 = 1 \text{ tenth}$

(b)  $0.\underline{1}63 = 1 \text{ hundredth}$  (e)  $3.\underline{7}84 = 7 \text{ tenths}$

(c)  $0.\underline{2}79 = 2 \text{ tenths}$  (f)  $15.\underline{7}5 = 7 \text{ tenths}$

(g)  $16.\underline{1}2 = 1 \text{ ten}$

6. Write each decimal in the expanded form.

a.  $0.48$

h.  $815.426$

Ans:  $0 + .4 + 0.08$

Ans:  $800 + 10 + 5 + .4 + .02 + .006$

b.  ~~$0.008$~~   $0.714$

Ans:  $0 + .7 + .01 + 0.004$

c.  $1.75 = 1 + .7 + 0.05$

d.  $23.345$

Ans:  $20 + 3 + .3 + 0.04 + .005$

e.  $9.062$

Ans:  $9 + .06 + 0.002$

f.  $52.005$

Ans:  $50 + 2 + .005$

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

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 ~~and~~ order using >

or <

a.  $0.6, 0.43, 0.7$       c.  $0.123, 0.321, 0.103$

Ans:  $0.43 < 0.6 < 0.7$       Ans -  $0.103 < 0.123 < 0.321$

b.  $0.014, 0.8, 0.006$       d.  $0.9, 0.83, 0.8$

Ans:  ~~$0.8 < 0.006 < 0.014 < 0.8$~~       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. ~~11.21~~  $11.112 < 11.21 < 11.211$

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

a. 0.76, 0.62, 0.67      Ans.  $1.05 > 0.81 > 0.77$

Ans.  $0.76 > 0.67 > 0.62$       e. 1.16, 6.11, 1.61

b. 0.25, 0.56, 0.53      Ans.  $6.11 > 1.61 > 1.16$

Ans.  $0.56 > 0.53 > 0.25$       f. 0.246, 0.426, 0.024

c. 3.41, 6.83, 1.94      Ans.  $0.426 > 0.246 > 0.024$

Ans.  $6.83 > 3.41 > 1.94$

d. 0.81, 0.77, 1.05