

Ch-Decimal fractions

Exercise 10 (A)

1) Write the Decimal Fractions in words

a) $0.9 =$ point nine

b) $0.07 =$ point zero seven

c) $0.083 =$ point zero eight three

d) $0.014 =$ point zero one four

e) $0.005 =$ point ~~zero~~ zero zero five

2) Write the following in fraction ~~or~~ and

Decimal Form

a) Two tenths

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

c) Five-hundredths $\frac{5}{100}$ 0.05

d) Eleven ⁿ and _n three hundredths $11\frac{3}{100}$ 11.03

e) Seventy two hundredth $\frac{72}{100}$

0.72

f) Sixteen and twenty seven hundredths $16\frac{27}{100}$

3. Express the following fract 16.27

3. Express the following fraction as

Decimal fractions

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

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) $21\frac{76}{100} = 21.76$

g) $112\frac{9}{10} = 112.9$

f) $0.038 =$ point zero three eighth

g) $0.0036 =$ point zero zero three six

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

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

h) Twenty eight thousandths $20.\frac{8}{1000}$ 20.008

4. Write the following in fractions or in Mixed numbers.

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

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

$$c. 0.049 = \frac{49}{1000} = \frac{49}{1000}$$

$$d. 0.005 = \frac{5}{1000} = \frac{1}{200}$$

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

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

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

5. Give the place value of the underlined digit

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

$$b. 0.1\underline{6}3 = 1 \text{ tenths}$$

c. $0.\underline{2}79 =$ Seven hundredths

d. $4.\underline{6} =$ Six hundredths

e. $3.\underline{7}84 =$ Seven hundredths

f. $15.\underline{7}5 =$ ~~5~~ Five hundredths

g. $16.\underline{1}2 =$ 1 hundred

6. Write each decimal in the expanded form:

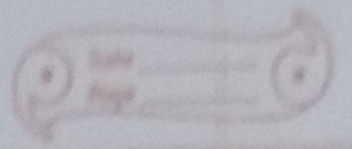
a. $0.48 = 0 + .4 + ~~0~~ .08$

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

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

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

e. $9.062 = 9 + .0 + ~~0~~ + .002$



$$f. 52.005 = 50 + 2 + \cancel{1} + \cancel{0} + 5 \cdot 0.005$$

$$g. 5.015 = 5 + 0 + 0 + 1 + 5 \cdot 0.005$$

$$h. 815.426 = \cancel{800} + 10 + 5 + 4 + 2 + 6 \cdot 0.006$$

7. Write '>' or '<'

$$a. 0.96 < 0.5$$

$$b. 0.008 < 0.1$$

$$c. 0.76 > 0.09$$

$$d. 0.98 < 0.7$$

$$e. 0.125 < 0.307$$

$$f. 0.009 < 0.09$$

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

$$a. 0.6, 0.43, 0.7$$

$$\text{Ans} - 0.43 < 0.6 < 0.7$$

b. 0.019, 0.8, 0.006

Ans- $0.006 < 0.019 < 0.8$

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

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- $0.426 > 0.246 > 0.024$