

1. Write as fractions in lowest terms:

(a)  $0.04 = \frac{4}{100} = \frac{1}{25}$

(b)  $2.34 = 2 + \frac{34}{100}$   
 $= 2 + \frac{34 \div 2}{100 \div 2}$   
 $= 2 + \frac{17}{50}$

(c)  $0.342 = \frac{342}{1000} = \frac{342 \div 2}{1000 \div 2} = \frac{171}{500}$

Write as fractions in lowest terms.

- (a) 0.60
- (b) 2.62
- (c) 0.125

2. Write each of the following decimals in words:

(a) 0.07  
Solution: zero point zero seven

(b) 0.95  
Solution: zero point nine five

(c) 109.65  
Solution: one hundred and nine point six five

Write each of the following decimals in words

- (a) 17.38
- (b) 120.56

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3. Between which two numbers in tenths place on the number line does each of the given numbers lie.

a)  $0.07$

Solutions:-  $0$  and  $0.1$

b)  $0.91$

Solutions:-  $0.9$  and  $1.0$

Do this following sum

a)  $0.06$

b)  $0.92$

A) Exercise : 8.3

Which is greater

a)  $0.7$  <sup>(or)</sup>  $0.78$

Solution

$$0.7 = \frac{7}{10} + \frac{0}{100}$$

$$0.78 = \frac{7}{10} + \frac{8}{100}$$

$$0.78 > 0.7$$

b) which is greater  $1$  or  $0.99$

$$1 = 1 + \frac{0}{10} + \frac{0}{100}$$

$$0.99 = 0 + \frac{9}{10} + \frac{9}{100}$$

$$1 > 0.99$$

c) which is greater  $0.5$  or  $0.05$

d) which is greater  $1$  or  $0.89$

10:10

Decimals

(Ex. 8.4)

WORK SHEET - II

5. Express as rupees using decimals

a) 65 paise

Solution :- 65 paise =  $\frac{65}{100}$  Re  
= 0.65 Re.

b) Express as rupees using decimals

a) 75 paise

6. Express as metres using decimals :- (a) 136 cm

b) 2 m 45 cm

Solution :- 136 cm = 100 cm + 36 cm  
= 1 m +  $\frac{36}{100}$  m  
= 1.36 m

b) 2 m 45 cm

Solution :- 2 m 45 cm = 2 m +  $\frac{45}{100}$  m  
= 2.45 m

Do this sums :-

(c) 4 19 cm

(d) 9 m 7 cm.

7) Express as cm using decimals (a) 1 mm

Solution :- 1 mm =  $\frac{1}{10}$  cm.  
= 0.1 cm

Do this sum (b) 6 mm.

8 Express as kg using decimals:

(a) 1g

Solution:-  $1g = \frac{1}{1000} \text{ Kg}$ .

(b) 2350g

Solution:-  $2350g = 2000g + 350g$   
 $= \frac{2000}{1000} \text{ Kg} + \frac{350}{1000} \text{ Kg}$   
 $= 2 \text{ Kg} + 0.350$   
 $= 2.350$

Do this sum:-

(c) 2g

(d) 3750g.

9 Express each of the following without decimals.

a) Rs. 2.30

Solution:-  $\text{Rs. } 2.30 = 200 \text{ paise} + 30 \text{ paise}$   
 $= 230 \text{ paise}$

(b) 9.240kg

Solution:-  $9.240 \text{ Kg} = 9000g + 240g$   
 $= 9240g.$

Do this sums

(c) 8.240kg.