

Ex - 26

1. (a)  $2.3 = \frac{23}{10} = 2\frac{3}{10}$

(b)  $15.67 = \frac{1567}{100} = 15\frac{67}{100}$

(c)  $278.789 = \frac{278789}{1000} = 278\frac{789}{1000}$

(d)  $1234.5678 = 1234\frac{5678}{10000}$

2. (a)  $7.1 = 7$

(b)  $12.651 = 12$

(c)  $167.4 = 167$

(d)  $2345.678 = 2345$

3. (a)  $6.5 = 0.5$

(b)  $27.34 = 0.34$

(c)  $175.678 = 0.678$

(d)  $2929.38387 = 0.38387$

4. (a) 10 thousandths = 1 hundredths

(b) 10 hundredths = 1 tenth

(c) 10 tenths = 1 one

(d) 27 tenths = 2 tenths + 7 hundredths

(e) 85 hundredths = 8 tenths + 5 hundredths.

(f) 89 thousandths = 8 hundredths + 9 thousandths

5. (a)  $25.72 = 2 \text{ tens} + 5 \text{ ones} + 2 \text{ tenths} + 9 \text{ hundredths}$

(b)  $121.456 = 1 \text{ hundred} + 2 \text{ tens} + 1 \text{ one} + 4 \text{ tenths} + 5 \text{ hundredths} + 6 \text{ thousandths}$

(c)  $3257.8967 = 3 \text{ thousands} + 2 \text{ hundreds} + 5 \text{ tens} + 7 \text{ ones} + 8 \text{ tenths} + 9 \text{ hundredths} + 6 \text{ thousandths} + 7 \text{ ten thousandths}$

6. (a)  $36.97 = \underline{3}$  tens +  $\underline{6}$  ones +  $\underline{9}$  tenths +  $\underline{7}$  hundredths

(b)  $412.356 = \underline{4}$  hundreds +  $\underline{1}$  tens +  $\underline{2}$  ones +  $\underline{3}$  tenths  
+  $\underline{5}$  hundredths +  $\underline{6}$  thousandths

7. (a)  $5 + \frac{4}{10} + \frac{2}{100} = 5 \frac{42}{100}$

(b)  $60 + 7 + \frac{0}{10} + \frac{1}{100} + \frac{9}{1000} = 67 \frac{19}{1000}$

(c)  $0 + \frac{2}{10} + \frac{3}{100} + \frac{6}{1000} = \frac{236}{1000}$

(d)  $500 + 40 + 3 + \frac{2}{10} + \frac{0}{100} + \frac{8}{1000} = 543 \frac{208}{1000}$

(e)  $6 \text{ tens} + 2 \text{ ones} + 7 \text{ tenths} = 62 \frac{7}{10}$

(f)  $0 \text{ tens} + 1 \text{ tenth} + 3 \text{ hundredths} + 4 \text{ thousandths} = \frac{134}{1000}$

10. (a)  $0.1 > 0.01$  (b)  $2.32 > 1.99$

(c)  $16.123 = 16.12300$  (d)  $252.9111 > 252.099$

~~(e)  $3.4, 8.23 = (3.4 \times 100), 8.23 = 823$~~

(e)  $13.99 < 14$  (f)  $8.431 > 8.413$

11. (a)  $2.01, 2.001, 2.003$  and  $2.0004$

$\rightarrow 2.0004, 2.001, 2.003$  and  $2.01$

(b)  $345.05, 34.08, 345.009$  and  $123.123$

$\rightarrow 34.08, 123.123, 345.009$  and  $345.05$

12. (a)  $26.37, 46.43, 64.43$  and  $26.12$

$\rightarrow 64.43, 46.43, 26.37$  and  $26.12$

(b)  $310.8, 31.08, 31.88$  and  $310.008$

$\rightarrow 310.8, 310.008, 31.88$  and  $31.08$

13. (a)  $0.1 = \frac{1}{10}$  (b)  $0.23 = \frac{23}{100}$  (c)  $0.357 = \frac{357}{1000}$

(d)  $5.4567 = 5\frac{4567}{10000}$  (e)  $12.05 = 12\frac{5}{100}$

14. (a)  $\frac{9}{10} = 0.9$  (b)  $\frac{11}{100} = 0.11$  (c)  $\frac{17}{1000} = 0.017$

(d)  $\frac{31}{10000} = 0.0031$  (e)  $3\frac{19}{100} = 3.19$

8. (a) 12.6, 7.5 (like decimal pair)

(b) 4.67, 0.79 (like decimal pair)

(c) 67.123, 923.0123 (unlike decimal pair)

(d) 116.234, 17.004 (like decimal pair)

9. (a) 3.4, 8.23 = 3.40, 8.23

(b) 4.04, 4.4 = 4.04, 4.40

(c) 70.1, 345.123 = 70.100, 345.123

(d) 300.001, 91.01 = 300.001, 91.010