



Exercise 7A

Q6

Answer :

(i) $84.23 > 76.35$

Since 84 is greater than 76, 84.23 is greater than 76.35. (Comparing the whole number parts)

(ii) $7.608 < 7.680$

Since 8 is greater than 0 at the hundredths place, 7.608 is smaller than 7.680.

(iii) $8.34 < 8.43$

Since 4 is greater than 3 at the tenths place, 8.34 is smaller than 8.43.

(iv) $12.06 > 12.006$

Since 6 is greater than 0 at the hundredths place, 12.06 is greater than 12.006.

(v) $3.850 > 3.805$

Since 5 is greater than 0 at the hundredths place, 3.850 is greater than 3.805.

(vi) $0.97 < 1.07$

Since 1 is greater than 0, 0.97 is smaller than 1.07. (Comparing the whole number parts)

Q7

Answer :

(i) 5.8, 7.2, 5.69, 7.14, 5.06

Converting the given decimals into like decimals:

5.80, 7.20, 5.69, 7.14, 5.06

Clearly, $5.06 < 5.69 < 5.80 < 7.14 < 7.20$

Hence, the given decimals can be arranged in the ascending order as follows:

5.06, 5.69, 5.80, 7.14 and 7.2

(ii) 0.6, 6.6, 6.06, 66.6, 0.06

Converting the given decimals into like decimals:

0.60, 6.60, 6.06, 66.60, 0.06

Clearly, $0.06 < 0.60 < 6.06 < 6.60 < 66.60$

Hence, the given decimals can be arranged in the ascending order as follows:

0.06, 0.60, 6.06, 6.60 and 66.60

(iii) 6.54, 6.45, 6.4, 6.5, 6.05

Converting the given decimals into like decimals:

6.54, 6.45, 6.40, 6.50, 6.05

Clearly, $6.05 < 6.40 < 6.45 < 6.50 < 6.54$

Hence, the given decimals can be arranged in the ascending order as follows:

6.05, 6.40, 6.45, 6.50 and 6.54

(iv) 3.3, 3.303, 3.033, 0.33, 3.003

Converting the given decimals into like decimals:

3.300, 3.303, 3.033, 0.330, 3.003

Clearly, $0.330 < 3.003 < 3.033 < 3.300 < 3.303$

Hence, the given decimals can be arranged in the ascending order as follows:

0.33, 3.003, 3.033, 3.300 and 3.303

Q8

Answer :

(i) 7.3, 8.73, 73.03, 7.33, 8.073

Converting each decimal into like decimals:

7.300, 8.730, 73.030, 7.330, 8.073

Clearly, $73.030 > 8.730 > 8.073 > 7.330 > 7.300$

Hence, the given decimals can be arranged in the descending order as follows:

73.03, 8.73, 8.073, 7.33 and 7.3

(ii) 3.3, 3.03, 30.3, 30.03, 3.003

Converting each decimal into like decimals:

3.300, 3.030, 30.300, 30.030, 3.003

Clearly, $30.300 > 30.030 > 3.300 > 3.030 > 3.003$

Hence, the given decimals can be arranged in the descending order as follows:

30.3, 30.03, 3.3, 3.03 and 3.003

(iii) 2.7, 7.2, 2.27, 2.72, 2.02, 2.007

Converting each decimal into like decimals:

2.700, 7.200, 2.270, 2.720, 2.020, 2.007

Clearly, $7.200 > 2.720 > 2.700 > 2.270 > 2.020 > 2.007$

Hence, the given decimals can be arranged in the descending order as follows:

7.2, 2.72, 2.7, 2.27, 2.02 and 2.007

(iv) 8.88, 8.088, 88.8, 88.08, 8.008

Converting each decimal into like decimals:

8.880, 8.088, 88.800, 88.080, 8.008

Clearly, $88.800 > 88.080 > 8.880 > 8.088 > 8.008$

Hence, the given decimals can be arranged in the descending order as follows:

88.8, 88.08, 8.88, 8.088 and 8.008

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