

EXERCISE 8.3**PAGE NO: 175****1. Which is greater?**

- (a) 0.3 or 0.4
- (b) 0.07 or 0.02
- (c) 3 or 0.8
- (d) 0.5 or 0.05
- (e) 1.23 or 1.2
- (f) 0.099 or 0.19
- (g) 1.5 or 1.50
- (h) 1.431 or 1.490
- (i) 3.3 or 3.300
- (j) 5.64 or 5.603

Solutions:

- (a) 0.3 or 0.4

Whole parts for both the numbers are same. We know that the tenth part of 0.4 is greater than that of 0.3

$$\therefore 0.4 > 0.3$$

- (b) 0.07 or 0.02

Both the numbers have same parts up to the tenth place but the hundredth part of 0.07 is greater than that of 0.02

$$\therefore 0.07 > 0.02$$

- (c) 3 or 0.8

The whole part of 3 is greater than that of 0.8

$$\therefore 3 > 0.8$$

- (d) 0.5 or 0.05

Whole parts for both the numbers are same. Here the tenth part of 0.5 is greater than that of 0.05

$$\therefore 0.5 > 0.05$$

- (e) 1.23 or 1.20

Here both the numbers have same parts up to the tenth place. The hundredth part of 1.23 is greater than that of 1.20

$$\therefore 1.23 > 1.20$$

- (f) 0.099 or 0.19

Whole parts for both the numbers are same. Here the tenth part of 0.19 is greater than that of 0.099

$$\therefore 0.099 < 0.19$$

- (g) 1.5 or 1.50

We may find that both numbers have same parts up to the tenth place. Here 1.5 have no digit at hundredth place. It represents that this digit is 0, which is equal to the digit at hundredth place of 1.50.

\therefore Both these numbers are equal

- (h) 1.431 or 1.490

Here, both the numbers have same parts up to the tenth place but the hundredth part of 1.490 is greater than that of 1.431

$$\therefore 1.431 < 1.490$$

- (i) 3.3 or 3.300

Here, both numbers have same parts up to the tenth place. There are no digits at hundredth and

thousandth place of 3.3. It represents that these numbers are 0, which is equal to the digits at hundredth and thousandth place of 3.300.

∴ Both these numbers are equal

(j) 5.64 or 5.603

Here both numbers have same parts up to the tenth place but the hundredth part of 5.64 is greater than that of 5.603

∴ $5.64 > 5.603$

2. Make five more examples and find the greater number from them.

Solutions:

Five more examples are

(a) 32.55 or 32.5

Whole parts for both the numbers are same. The tenth part are also equal, but the hundredth part of 32.55 is greater than that of 32.5

Hence, $32.55 > 32.5$

(b) 1 or 0.99

The whole part of 1 is greater than that of 0.99

∴ $1 > 0.99$

(c) 1.09 or 1.093

Here both the numbers have same parts up to the hundredth. But the thousandth part of 1.093 is greater than that of 1.09

∴ $1.093 > 1.09$

(d) 2 or 1.99

The whole part of 2 is greater than that of 1.99

∴ $2 > 1.99$

(e) 2.08 or 2.085

Here both the numbers have same parts up to the hundredth. But the thousandth part of 2.085 is greater than that of 2.08

∴ $2.085 > 2.08$