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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 1.20

(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

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

∴ 0.4 > 0.3.

(b) 0.07 or 0.02

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

∴ 0.07 > 0.02.

(c) 3 or 0.8

The whole part of 3 is greater than that of 0.8

∴ 3 > 0.8

(d) 0.5 or 0.05

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

∴ 0.5 > 0.05.

(e) 1.23 or 1.20

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

∴ 1.23 > 1.20.

(f) 0.099 or 0.19

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

∴ 0.099 < 0.19.

(g) 1.5 or 1.50

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

∴ Both these numbers are equal.

(h) 1.431 or 1.490

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

∴ 1.431 < 1.490.

(i) 3.3 or 3.300

Here, both numbers have the same parts up to the tenth place. There are no digits at the hundredth and thousandth place of 3.3. It represents that these numbers are 0, which is equal to the digits at the hundredth and thousandth place of 3.300.

∴ Both these numbers are equal.

(j) 5.64 or 5.603

Here, both numbers have the 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 given below:

(a) 32.55 or 32.5

The whole parts for both numbers are the same. The tenth part is 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 numbers have the 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 numbers have the same parts up to the hundredth. But the thousandth part of 2.085 is greater than that of 2.08,

∴ 2.085 > 2.08,