Decimals Ex 7.7 Q1

Answer :

(i) 0.85 and 0.08 are not equivalent to the given decimal.
In 0.85, we have 5 in the hundredth place, whereas in 0.8, we have nothing in the hundredth place.
In 0.08, 0 is in the tenth place, whereas in 0.8, 8 is in the tenth place.

(ii) 25.01 and 25.001 are not equivalent to the given decimal.
In 25.01, 0 is in the tenth place, whereas in 25.1, 1 is in the tenth place.
In 25.001, 0 is in the tenth place, whereas in 25.1, 1 is in the tenth place.

(iii) 45.005 and 45.500 are not equivalent to the given decimal.
In 45.005, 0 is in the hundredth place, whereas in 45.05, 5 is in the hundredth place.
In 45.500, 5 is in the tenth place, whereas in 45.05, 0 is in the tenth place.

Decimals Ex 7.7 Q2

Answer :

(i) Like decimals, since these have the same number of digits after the decimal point.

(ii) Unlike decimals, since these have different number of digits after the decimal point.

(iii) Like decimals, since these have the same number of digits after the decimal point.

(iv) Unlike decimals, since these have different number of digits after the decimal point.

Decimals Ex 7.7 Q3

Answer :

(i) Correct, since these two decimals have the same number of digits after the decimal point, only 2.

(ii) Correct, since these three decimals have different numbers of digits after the decimal point.

(iii) Incorrect, since these two decimals have different numbers of digits after the decimal point.

(iv) Incorrect, since these three decimals have different numbers of digits after the decimal point.

(v) Correct, since these three decimals have the same number of digits after the decimal point.

Decimals Ex 7.7 Q4

Answer :

(i) Of the two given decimals, 7.85 has more decimal places, i.e., two, so we change 7.8 so that it has two decimal places.
Therefore, the like decimals are 7.80 and 7.85.

(ii) Of the two given decimals, 2.02 has more decimal places, i.e., two, so we change 3.2 so that it has two decimal places.
Therefore, the like decimals are 2.02 and 3.20.

(iii) Of the three given decimals, 12.765 has the highest number of decimal places, i.e., three, so we change the other two decimals so that they also have three decimal places.
Therefore, the like decimals are 0.600, 5.800 and 12.765.

(iv) Of the three given decimals, 5.296 has the highest number of decimal places, i.e., three, so we change the other two decimals so that they also have three decimal places.
Therefore, the like decimals are 5.296, 5.200 and 5.290.

(v) Among the three given decimals, 4.3294 has the highest number of decimal places, i.e., four, so we change all the decimals so that they also have four decimal places.
Therefore, the like decimals are 4.3294, 43.2900 and 432.9400.

********** END **********