

EXERCISE 7.5

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1. Fill in the blanks by using $>$ or $<$ to complete the following:**(i) 25.35 8.47****(ii) 20.695 20.93****(iii) 0.39 0.72****(iv) 0.109 0.83****(v) 0.236 0.201****(vi) 0.93 0.99****Solution:****(i) 25.35 8.47**We know that the whole numbers $25 > 8$ Hence, $25.35 > 8.47$.**(ii) 20.695 20.93**

We know that both the whole numbers are equal

So by checking the tenth parts we know that $9 > 6$ Hence, $20.695 < 20.93$.**(iii) 0.39 0.72**

We know that both the whole numbers are 0

So by checking the tenth parts we know that $7 > 2$ Hence, $0.39 < 0.72$.**(iv) 0.109 0.83**

We know that both the whole numbers are 0

So by checking the tenth parts we know that $1 < 8$ Hence, $0.109 < 0.83$.**(v) 0.236 0.201**

We know that both the whole numbers are 0

So by checking the hundredth parts we know that $3 > 0$ Hence, $0.236 > 0.201$.**(vi) 0.93 0.99**

We know that both the whole numbers are 0

So by checking the hundredth parts we know that $3 < 9$ Hence, $0.93 < 0.99$.**2. Which is greater? Give reason for your answer?****(i) 1.008 or 1.800****(ii) 3.3 or 3.300****(iii) 5.64 or 5.603****(iv) 1.5 or 1.50****(v) 1.431 or 1.439****(vi) 0.5 or 0.05****Solution:****(i) 1.008 or 1.800**

We know that the whole numbers are equal
So by comparing tenth parts we know that $0 < 8$
Hence, $1.008 < 1.800$.

(ii) 3.3 or 3.300
We know that the whole numbers and tenths place are equal
Hence, $3.3 = 3.300$.

(iii) 5.64 or 5.603
We know that the whole numbers are equal
So by comparing the hundredth place we know that $4 > 0$
Hence, $5.64 > 5.603$.

(iv) 1.5 or 1.50
We know that the whole numbers and tenths place are equal
Hence, $1.5 = 1.50$.

(v) 1.431 or 1.439
We know that the whole numbers are equal
So by comparing thousandths place we know that $1 < 9$
Hence, $1.431 < 1.439$.

(vi) 0.5 or 0.05
We know that the whole numbers are equal
So by comparing tenth place we know that $5 > 0$
Hence, $0.5 > 0.05$.