

Compare the following decimals.

1. $2.1 ? 2.5$

answer

<

2. $2.7216 ? 2.8491$

<

3. $17.1 ? 17.149$

<

4. $1.811 ? 1.97$

<

5. $5.9262 ? 8.169$

<

6. $9.0913 ? 8.2238$

>

7. $4.827 ? 4.8$

>

8. $1.7768 ? 6.6693$

<

9. $6.0654 ? 3.2432$

>

10. $2.57 ? 2.7$

<

11. $2.7677 ? 2.739$

>

12. $6.3674 ? 8.4686$

<

Comparing Decimals

Date _____ Period _____

Solution Steps

1) $2.1 ? 2.5$

Ones	Decimal	Tenths
2	.	1
2	.	5

Compare the Ones place ($2 = 2$)Compare the Tenths place ($1 < 5$)

2) $2.7216 ? 2.8491$

Ones	Decimal	Tenths	Hundredths	Thousandths	Ten-thousandths
2	.	7	2	1	6
2	.	8	4	9	1

Compare the Ones place ($2 = 2$)Compare the Tenths place ($7 < 8$)

3) $17.1 ? 17.149$

Tens	Ones	Decimal	Tenths	Hundredths	Thousandths
1	7	.	1		
1	7	.	1	4	9

Compare the Tens place ($1 = 1$)

Compare the Ones place ($7 = 7$)

Compare the Tenths place ($1 = 1$)

Compare the Hundredths place ($0 < 4$)

4) $1.811 ? 1.97$

Ones	Decimal	Tenths	Hundredths	Thousandths
1	.	8	1	1
1	.	9	7	

Compare the Ones place ($1 = 1$)

Compare the Tenths place ($8 < 9$)

5) $5.9262 ? 8.169$

Ones	Decimal	Tenths	Hundredths	Thousandths	Ten-thousandths
5	.	9	2	6	2
8	.	1	6	9	

Compare the Ones place ($5 < 8$)

6) $9.0913 ? 8.2238$

Ones	Decimal	Tenths	Hundredths	Thousandths	Ten-thousandths
9	.	0	9	1	3
8	.	2	2	3	8

Compare the Ones place ($9 > 8$)

7) $4.827 ? 4.8$

Ones	Decimal	Tenths	Hundredths	Thousandths
4	.	8	2	7
4	.	8		

Compare the Ones place ($4 = 4$)

Compare the Tenths place ($8 = 8$)

Compare the Hundredths place ($2 > 0$)

8) $1.7768 ? 6.6693$

Ones	Decimal	Tenths	Hundredths	Thousandths	Ten-thousandths
1	.	7	7	6	8
6	.	6	6	9	3

Compare the Ones place ($1 < 6$)

9) $6.0654 ? 3.2432$

Ones	Decimal	Tenths	Hundredths	Thousandths	Ten-thousandths
6	.	0	6	5	4
3	.	2	4	3	2

Compare the Ones place ($6 > 3$)

10) $2.57 ? 2.7$

Ones	Decimal	Tenths	Hundredths
2	.	5	7
2	.	7	

Compare the Ones place ($2 = 2$)

Compare the Tenths place ($5 < 7$)

¹¹⁾ 2.7677 ? 2.739

Ones	Decimal	Tenths	Hundredths	Thousandths	Ten-thousandths
2	.	7	6	7	7
2	.	7	3	9	

Compare the Ones place ($2 = 2$)

Compare the Tenths place ($7 = 7$)

Compare the Hundredths place ($6 > 3$)

¹²⁾ 6.3674 ? 8.4686

Ones	Decimal	Tenths	Hundredths	Thousandths	Ten-thousandths
6	.	3	6	7	4
8	.	4	6	8	6

Compare the Ones place ($6 < 8$)