

Compare the following decimals.

1. $1.1281 ? 1.56$

answer

<

2. $4.653 ? 4.3491$

>

3. $8.2292 ? 5.6528$

>

4. $3.5374 ? 8.3245$

<

5. $2.91 ? 2.936$

<

6. $19.6 ? 19.47$

>

7. $1.1657 ? 0.42$

>

8. $7.4586 ? 8.6032$

<

9. $4.9118 ? 8.0218$

<

10. $1.4444 ? 9.3075$

<

11. $1.6 ? 1.95$

<

12. $9.0783 ? 2.078$

>

Comparing Decimals

Date _____ Period _____

Solution Steps

1) $1.1281 ? 1.56$

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

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

2) $4.653 ? 4.3491$

| | | | | | |
|------|---------|--------|------------|-------------|-----------------|
| Ones | Decimal | Tenths | Hundredths | Thousandths | Ten-thousandths |
| 4 | . | 6 | 5 | 3 | |
| 4 | . | 3 | 4 | 9 | 1 |

Compare the Ones place ($4 = 4$)Compare the Tenths place ($6 > 3$)

3) $8.2292 ? 5.6528$

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

Compare the Ones place ($8 > 5$)

4) $3.5374 ? 8.3245$

| Ones | Decimal | Tenths | Hundredths | Thousandths | Ten-thousandths |
|------|---------|--------|------------|-------------|-----------------|
| 3 | . | 5 | 3 | 7 | 4 |
| 8 | . | 3 | 2 | 4 | 5 |

Compare the Ones place ($3 < 8$)

5) $2.91 ? 2.936$

| Ones | Decimal | Tenths | Hundredths | Thousandths |
|------|---------|--------|------------|-------------|
| 2 | . | 9 | 1 | |
| 2 | . | 9 | 3 | 6 |

Compare the Ones place ($2 = 2$)

Compare the Tenths place ($9 = 9$)

Compare the Hundredths place ($1 < 3$)

6) $19.6 ? 19.47$

| Tens | Ones | Decimal | Tenths | Hundredths |
|------|------|---------|--------|------------|
| 1 | 9 | . | 6 | |
| 1 | 9 | . | 4 | 7 |

Compare the Tens place ($1 = 1$)

Compare the Ones place ($9 = 9$)

Compare the Tenths place ($6 > 4$)

7) $1.1657 ? 0.42$

| Ones | Decimal | Tenths | Hundredths | Thousandths | Ten-thousandths |
|------|---------|--------|------------|-------------|-----------------|
| 1 | . | 1 | 6 | 5 | 7 |
| | . | 4 | 2 | | |

Compare the Ones place ($1 > 0$)

8) $7.4586 ? 8.6032$

| Ones | Decimal | Tenths | Hundredths | Thousandths | Ten-thousandths |
|------|---------|--------|------------|-------------|-----------------|
| 7 | . | 4 | 5 | 8 | 6 |
| 8 | . | 6 | 0 | 3 | 2 |

Compare the Ones place ($7 < 8$)

9) $4.9118 ? 8.0218$

| Ones | Decimal | Tenths | Hundredths | Thousandths | Ten-thousandths |
|------|---------|--------|------------|-------------|-----------------|
| 4 | . | 9 | 1 | 1 | 8 |
| 8 | . | 0 | 2 | 1 | 8 |

Compare the Ones place ($4 < 8$)

10) $1.4444 ? 9.3075$

| Ones | Decimal | Tenths | Hundredths | Thousandths | Ten-thousandths |
|------|---------|--------|------------|-------------|-----------------|
| 1 | . | 4 | 4 | 4 | 4 |
| 9 | . | 3 | 0 | 7 | 5 |

Compare the Ones place ($1 < 9$)

¹¹⁾ 1.6 ? 1.95

| | | | |
|------|---------|--------|------------|
| | | | |
| Ones | Decimal | Tenths | Hundredths |
| 1 | . | 6 | |
| 1 | . | 9 | 5 |

Compare the Ones place ($1 = 1$)

Compare the Tenths place ($6 < 9$)

¹²⁾ 9.0783 ? 2.078

| | | | | | |
|------|---------|--------|------------|-------------|-----------------|
| | | | | | |
| Ones | Decimal | Tenths | Hundredths | Thousandths | Ten-thousandths |
| 9 | . | 0 | 7 | 8 | 3 |
| 2 | . | 0 | 7 | 8 | |

Compare the Ones place ($9 > 2$)