

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Score: \_\_\_\_\_

## Comparing Numbers in Scientific Notation

Use '>', '<', or '=' signs to compare these numbers in scientific notation.

1)  $3 \times 10^5$    $6 \times 10^{-9}$

2)  $8.5 \times 10^{-5}$    $8.5 \times 10^{-5}$

3)  $3.28 \times 10^{17}$    $4.25 \times 10^{17}$

4)  $6.279 \times 10^5$    $1.8 \times 10^7$

5)  $7.44 \times 10^9$    $2.36 \times 10^9$

6)  $-6.62 \times 10^2$    $-3.21 \times 10^6$

7)  $-5.57 \times 10^2$    $-6.97 \times 10^5$

8)  $1.28 \times 10^1$    $4.95 \times 10^2$

9)  $8.22 \times 10^7$    $4.64 \times 10^1$

10)  $5.15 \times 10^{-4}$    $6.35 \times 10^{-5}$

11)  $3.27 \times 10^8$    $-1.59 \times 10^1$

12)  $-3.81 \times 10^2$    $-7.34 \times 10^9$

13)  $-3.79 \times 10^7$    $-3.40 \times 10^2$

14)  $2.08 \times 10^7$    $-9.20 \times 10^4$

15)  $1 \times 10^8$    $8.68 \times 10^5$

16)  $6.92 \times 10^1$    $-2.04 \times 10^6$

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Score: \_\_\_\_\_

# Comparing Numbers in Scientific Notation

## Answers

$$1) 3 \times 10^5 > 6 \times 10^{-9}$$

$$2) 8.5 \times 10^{-5} = 8.5 \times 10^{-5}$$

$$3) 3.28 \times 10^{17} < 4.25 \times 10^{17}$$

$$4) 6.279 \times 10^5 < 1.8 \times 10^7$$

$$5) 7.44 \times 10^9 > 2.36 \times 10^9$$

$$6) -6.62 \times 10^2 > -3.21 \times 10^6$$

$$7) -5.57 \times 10^2 > -6.97 \times 10^5$$

$$8) 1.28 \times 10^1 < 4.95 \times 10^2$$

$$9) 8.22 \times 10^7 > 4.64 \times 10^1$$

$$10) 5.15 \times 10^{-4} > 6.35 \times 10^{-5}$$

$$11) 3.27 \times 10^8 > -1.59 \times 10^1$$

$$12) -3.81 \times 10^2 > -7.34 \times 10^9$$

$$13) -3.79 \times 10^7 < -3.40 \times 10^2$$

$$14) 2.08 \times 10^7 > -9.20 \times 10^4$$

$$15) 1 \times 10^8 > 8.68 \times 10^5$$

$$16) 6.92 \times 10^1 > -2.04 \times 10^6$$