

Name: _____

Date: _____ Pd: _____

Convert each number to scientific Notation
(Worksheet # 1)

Example:

Write 0.0087 in scientific notation.

0.0087

We should move the decimal point 3 places to the right. So, the exponent will be -3.

$0.0087 = 8.7 \times 10^{-3}$

(1) 0.0005434

(12) 0.0005149

(2) 0.000009522

(13) 0.08488

(3) 0.00005643

(14) 2.996

(4) 0.000008292

(15) 0.06981

(5) 0.1151

(16) 0.0002473

(6) 0.002669

(17) 0.8968

(7) 0.1029

(18) 0.000004714

(8) 0.0003142

(19) 0.05725

(9) 0.000002321

(20) 0.000006613

(10) 1.377

(21) 0.0006759

(11) 0.0008679

(22) 0.1185

Name: **ANSWERS**

Date: _____ Pd: _____

*Convert each number to scientific Notation
(Worksheet # 1)*

Example:

Write 0.0087 in scientific notation.

0.0087

We should move the decimal point 3 places to the right. So, the exponent will be -3.

$$0.0087 = 8.7 \times 10^{-3}$$

(1) 0.0005434

$$5.434 \times 10^{-4}$$

(2) 0.000009522

$$9.522 \times 10^{-6}$$

(3) 0.00005643

$$5.643 \times 10^{-5}$$

(4) 0.000008292

$$8.292 \times 10^{-6}$$

(5) 0.1151

$$1.151 \times 10^{-1}$$

(6) 0.002669

$$2.669 \times 10^{-3}$$

(7) 0.1029

$$1.029 \times 10^{-1}$$

(8) 0.0003142

$$3.142 \times 10^{-4}$$

(9) 0.000002321

$$2.321 \times 10^{-6}$$

(10) 1.377

$$1.377 \times 10^0$$

(11) 0.0008679

$$8.679 \times 10^{-4}$$

(12) 0.0005149

$$5.149 \times 10^{-4}$$

(13) 0.08488

$$8.488 \times 10^{-2}$$

(14) 2.996

$$2.996 \times 10^0$$

(15) 0.06981

$$6.981 \times 10^{-2}$$

(16) 0.0002473

$$2.473 \times 10^{-4}$$

(17) 0.8968

$$8.968 \times 10^{-1}$$

(18) 0.000004714

$$4.714 \times 10^{-6}$$

(19) 0.05725

$$5.725 \times 10^{-2}$$

(20) 0.000006613

$$6.613 \times 10^{-6}$$

(21) 0.0006759

$$6.759 \times 10^{-4}$$

(22) 0.1185

$$1.185 \times 10^{-1}$$

Name: _____

Date: _____ Pd: _____

Convert each number to scientific Notation
(Worksheet # 2)

0.3 = _____

0.452 = _____

0.0012 = _____

0.004 = _____

0.5781 = _____

0.009205 = _____

0.0002 = _____

0.7 = _____

0.0258 = _____

0.00004 = _____

Example:

Write 0.0087 in scientific notation.

0.0087

We should move the decimal point 3 places to the right. So, the exponent will be -3.

$$0.0087 = 8.7 \times 10^{-3}$$

Name: **ANSWERS**

Date: _____ Pd: _____

*Convert each number to scientific Notation
(Worksheet # 2)*

$$0.3 = 3.0 \times 10^{-1}$$

$$0.452 = 4.52 \times 10^{-1}$$

$$0.0012 = 1.2 \times 10^{-3}$$

$$0.004 = 4.0 \times 10^{-3}$$

$$0.5781 = 5.781 \times 10^{-1}$$

$$0.009205 = 9.205 \times 10^{-3}$$

$$0.0002 = 2.0 \times 10^{-4}$$

$$0.7 = 7.0 \times 10^{-1}$$

$$0.0258 = 2.58 \times 10^{-2}$$

$$0.00004 = 4.0 \times 10^{-5}$$

Example:

Write 0.0087 in scientific notation.

0.0087

We should move the decimal point 3 places to the right. So, the exponent will be -3.

$$0.0087 = 8.7 \times 10^{-3}$$