

Name _____ Period _____ Date _____

Scientific Notation: Large Numbers

For problems 1 – 9, write each number in Scientific Notation, accurate to 2 decimal places.

1) 15, 814

2) 6, 000, 954

3) 412, 640, 049

4) 450

5) 6, 781

6) 471, 540

7) 100, 000

8) 48, 410, 015

9) 36, 434

For problems 10 – 18, write each number in Standard Form.

10) 1.2×10^3

11) 1.05×10^6

12) 9.86×10^6

13) 10^5

14) 1.40×10^3

15) 6.8×10^4

16) 3.07×10^3

17) 2.0×10^4

18) 10^7

BONUS QUESTION:

Approximate how much bigger an earthquake of magnitude 4.50 is than an earthquake of magnitude 1.10.

Name _____ Period _____ Date _____

Scientific Notation: Large Numbers

For problems 1 – 9, write each number in Scientific Notation, accurate to 2 decimal places.

1) 15, 814

$$1.58 \times 10^4$$

2) 6, 000, 954

$$6.00 \times 10^6$$

3) 412, 640, 049

$$4.13 \times 10^8$$

4) 450

$$4.50 \times 10^2$$

5) 6, 781

$$6.78 \times 10^3$$

6) 471, 540

$$4.72 \times 10^5$$

7) 100, 000

$$1.00 \times 10^5$$

8) 48, 410, 015

$$4.84 \times 10^7$$

9) 36, 434

$$3.64 \times 10^4$$

For problems 10 – 18, write each number in Standard Form.

10) 1.2×10^3

1, 200

11) 1.05×10^6

1, 050, 000

12) 9.86×10^6

9, 860, 000

13) 10^5

100, 000

14) 1.40×10^3

1, 400

15) 6.8×10^4

68, 000

16) 3.07×10^3

3, 070

17) 2.0×10^4

20, 000

18) 10^7

10, 000, 000

BONUS QUESTION:

Approximate how much bigger an earthquake of magnitude 4.50 in than an earthquake of magnitude 1.10.

About 4 times bigger.