BIG Quiz Review

1. Convert between decimals, fractions, and percents.

|  |  |  |
| --- | --- | --- |
| 0.15 |  |  |
|  | ¾ |  |
|  |  | 45% |
| 0.6666666….. |  |  |
|  | 4/5 |  |
|  |  | 0.01% |

1. Find BOTH square roots for the following numbers:

|  |  |
| --- | --- |
| 1 |  |
| 25 |  |
| 64 |  |
| 16 |  |
| 121 |  |
| 144 |  |
| 49 |  |
| 4 |  |

1. Evaluate.

1. Estimate each square root to the nearest tenth.

1. Evaluate.

13 =

23 =

33 =

43 =

53 =

1. Evaluate each completely.

+

1. Classify each number as rational or irrational and explain why.

0.1414141414….. Rational / Irrational Why?

0.14 Rational / Irrational Why?

35 Rational / Irrational Why?

√36 Rational / Irrational Why?

√37 Rational / Irrational Why?

1. Which of the following are written in scientific notation? (Circle the correct answers.)

45 x 104  4.5 x 1010 6.7 + 102 8.5-8 8.1 x 10-43

1. Write the following numbers in scientific notation.

540,000,000 1,000,000,000,000 0.0000000000000045 0.00003

1. Write the following numbers in standard notation.

5.5 x 108 9.346 x 1010 1.45 x 10-6 6.897 x 10-15