

**Practice Problems for Numbers**  
from [www.topmath.info](http://www.topmath.info)

1 What number equals 38 one-thousandths?

2 What number equals 773,286 one-millionths?

3 What number is 10 to the left of 16 on the number line?

4 What is the sum of -1, -16, 8, 1, -1, and -14?

5 What number is -4.18 to the right of -13.63 on the number line?

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6 What is  $1.1 + 7$ ?

7 What is  $1.2 \times 3.2$ ?

8 What number is written in expanded form as  $50,000 + 1$  ?

9 What is the Roman numeral equivalent of 17?

10 What is the base 10 equivalent of the base three number 110?

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11 What is the base 10 equivalent of the base three number 2212?

12 (T/F): 30 is an even number.

13 (T/F): The square root of 99 is a rational number.

14 (T/F): The number 59.235235235235235. . . is rational.

15 What number equals 14 tens?

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1 ANSWER: 0.038. EXPLANATION: To solve this, simply multiply 38 by 0.001, which is equivalent to moving the decimal point three places to the left..

2 ANSWER: 0.773286

3 ANSWER: 6

4 ANSWER: -23. EXPLANATION: One way to do this is to find the sums of the negative and positive numbers separately, and then find the difference between these two sums.

5 ANSWER: -17.81

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6 ANSWER: 8.1

7 ANSWER: 3.8

8 ANSWER: 50,001. EXPLANATION: To convert numbers from expanded notation, simply add up the individual numbers shown in the expanded notation. In this case, the total is 50,001.

9 ANSWER: XVIII

10 ANSWER: 12

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11 ANSWER: 77

12 ANSWER: True. EXPLANATION: A number is even if and only if it is an integer that ends in 0, 2, 4, 6, or 8. Integers that end in 1, 3, 5, 7, or 9 are odd. Since 30 ends in 0, it is even.

13 ANSWER: False. EXPLANATION: Only perfect squares have rational square roots. Since there is no integer that can be multiplied by itself to make 99, the square root of 99 is irrational.

14 ANSWER: True. EXPLANATION: A rational number has one or more digits to the right of the decimal point that repeat forever. In this case, the number 235 repeats forever, so the number is rational.

15 ANSWER: 140. EXPLANATION: To solve this, simply multiply 14 by 10.