

Practice Problems for Numbers
from www.topmath.info

1 What number equals 170 one-hundredths?

2 What number equals 8,409,126 one-millionths?

3 What number is 4 to the left of 14 on the number line?

4 What is the sum of 18, 19, 13, 23, -22, and 4?

5 What number is 7.61 to the left of 11.73 on the number line?

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6 What is $0.9 + 5.2$?

7 What is 4.2×7.1 ?

8 What number is written in expanded form as $9000 + 6$?

9 What is the Roman numeral equivalent of 18?

10 What is the base 10 equivalent of the base three number 120?

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11 What is the base 10 equivalent of the binary number 10000?

12 (T/F): 24 is an even number.

13 (T/F): -1107.387 is an odd number.

14 (T/F): The number 33.289289289289289. . . is rational.

15 What number equals 4 tens?

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1 ANSWER: 1.7. EXPLANATION: To solve this, simply multiply 170 by 0.01.

2 ANSWER: 8.409126

3 ANSWER: 10

4 ANSWER: 55. 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: 4.12

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6 ANSWER: 6.1

7 ANSWER: 29.8

8 ANSWER: 9,006. EXPLANATION: To convert numbers from expanded notation, simply add up the individual numbers shown in the expanded notation. In this case, the total is 9,006.

9 ANSWER: XX

10 ANSWER: 15

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11 ANSWER: 16

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 24 ends in 4, it is even.

13 ANSWER: False. EXPLANATION: A number that has digits to the right of the decimal points is neither even nor odd, so it is false to say that -1107.387 is odd.

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 $289\overline{289}$ repeats forever, so the number is rational.

15 ANSWER: 40. EXPLANATION: To solve this, simply multiply 4 by 10.