

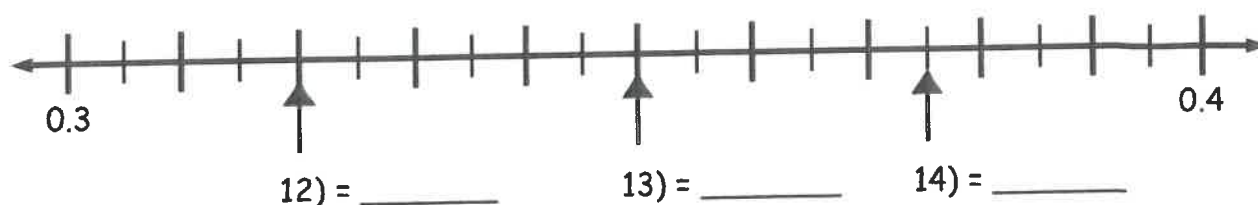
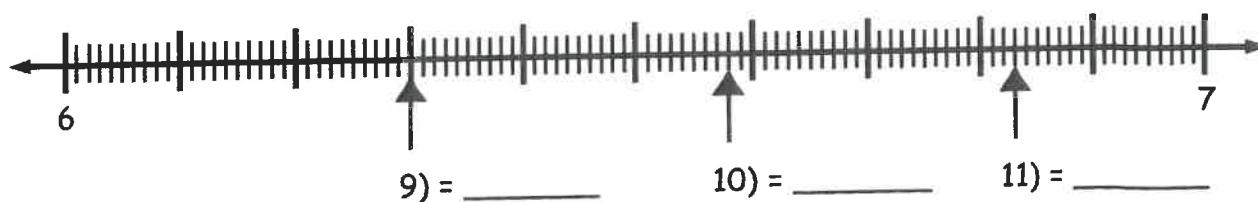
Practice 5-2: Understanding Decimals (Part B)

Round to the nearest whole number, tenth, or hundredth.

		whole number	tenth	hundredth
Example 1:	4.728	5	4.7	4.73
Example 2:	128.9	129	128.9	128.90

		whole number	tenth	hundredth
1)	4.36	4	4.3	4.36
2)	12.546			
3)	9.826			
4)	0.158			
5)	77.3			
6)	0.78491			
7)	481.9849			
8)	125.79355			

Name the decimal represented by each arrow on the number line.



Compare each pair of decimals using $<$, $>$, or $=$.

Example 1: $5.3 > 5.2$

The digit in the ones place is the same, so we compare the digits in the tenths place. 0.3 is greater than 0.2.

Example 2: $2.57 < 2.58$

The digits in the ones and tenths place are the same, so we compare the digits in the hundredths place. 0.08 is greater than 0.07.

15) $8.1 \square 8.2$

16) $12.34 \square 12.43$

17) $3.6 \square 3.60$

18) $14.73 \square 14.073$

19) $564.3 \square 564.300$

20) $0.88 \square 0.088$

21) Arrange from least to greatest: 1.421, 1.412, 1.441, 1.244

Multiply or divide by moving the decimal.

Example 1: $5.26 \times 10 = 52.6$

To multiply, we move the decimal one place to the right for every zero.

Example 2: $5.26 \times 1000 = 5260$

We fill in any extra spaces with zeros.

Example 3: $5.26 \div 10 = 0.526$

To divide, we move the decimal one place to the left for every zero.

Example 4: $5.26 \div 100 = 0.0526$

We fill in any extra spaces with zeros.

22) $5.26 \times 10 = \underline{\hspace{2cm}}$

23) $98.682 \times 100 = \underline{\hspace{2cm}}$

24) $11.43 \times 1000 = \underline{\hspace{2cm}}$

25) $0.00655 \times 100 = \underline{\hspace{2cm}}$

26) $0.1835 \times 100\,000 = \underline{\hspace{2cm}}$

27) $70.2 \times 10\,000 = \underline{\hspace{2cm}}$

28) $899.6 \div 10 = \underline{\hspace{2cm}}$

29) $456.28 \div 100 = \underline{\hspace{2cm}}$

30) $0.359 \div 100 = \underline{\hspace{2cm}}$

31) $87 \div 1000 = \underline{\hspace{2cm}}$

32) $0.095 \div 100 = \underline{\hspace{2cm}}$

33) $312.5 \div 100\,000 = \underline{\hspace{2cm}}$