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Codingal

Practice place Values, Expanded Form and Standard Form

Instruction : Convert Standard Form to Expanded Form

Example : 53.572 = 50 + 3 + 5 x 1/10 + 7 x 1/100 + 2 x 1/1000

1. 749.173 = 700+40+9+1*1/10+7*1/100+3*1/1000
2. 32.846 = 30+2+8*1/10+4*1/100+6*1/1000
3. 839.21 = 800+30+9+2*1/10+1*1/100
4. 436.834 = 400+30+6+8*1/10+3*3/100+4*1/1000
5. 2.948 = 2+9*1/10+4*1/100+8*1/1000

Instruction : Convert Expanded Form to Standard Form

Example: $(5 \times 10) + (3 \times 1) + (5 \times \frac{1}{10}) + (7 \times \frac{1}{100}) + (2 \times \frac{1}{1000})$

53.572

1. $(6 \times 10) + (8 \times \frac{1}{10}) + (3 \times \frac{1}{100}) + (9 \times \frac{1}{1000}) =$ 60.839
2. $(3 \times 100) + (6 \times 10) + (7 \times 1) + (6 \times \frac{1}{10}) + (1 \times \frac{1}{100}) + (8 \times \frac{1}{1000}) =$ 367.618
3. $(1 \times 100) + (9 \times 10) + (6 \times 1) + (8 \times \frac{1}{10}) + (8 \times \frac{1}{100}) =$ 196.88
4. $(9 \times 100) + (7 \times 10) + (5 \times 1) + (3 \times \frac{1}{10}) + (8 \times \frac{1}{100}) + (5 \times \frac{1}{1000}) =$ 975.385
5. $(7 \times 100) + (6 \times 1) + (4 \times \frac{1}{10}) + (7 \times \frac{1}{100}) + (3 \times \frac{1}{1000}) =$ 706.473

Instruction : Identify the Face Values and Place values of the digits in the given number - **1,001,345,050.678**

- 6 in the tenths place makes 0.6
- 7 in the hundredths place makes 0.07
- 8 in the thousandths place makes 0.008
- 0 in the ones place makes 0
- 5 in the tens place makes 50
- 0 in the hundreds place makes 0
- 5 in the thousands place makes 5000
- 1 in the billions place makes 1,000,000,000
- 3 in the millions place makes 3,000,000