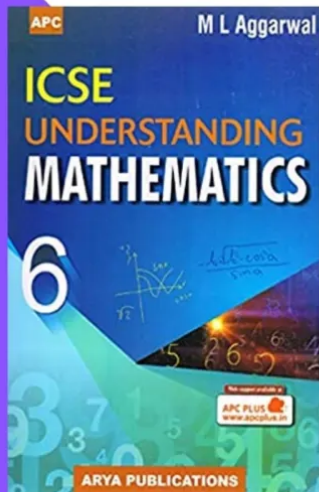


# ML Aggarwal Solutions for Class 6 Maths

## Chapter 7- Decimals



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ML Agrawal Solutions

## CLASS 6 MATHS

Chapter 7: Decimals

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# ML Aggarwal Solutions for Class 6 Maths

## Chapter 7- Decimals

Class 6: Maths Chapter 7 solutions. Complete Class 6 Maths Chapter 7 Notes.

### ML Aggarwal Solutions for Class 6 Maths Chapter 7- Decimals

ML Aggarwal 6th Maths Chapter 7, Class 6 Maths Chapter 7 solutions

**1. Write each of the following decimal numbers in words:**

(i) 30.5

(ii) 0.03

(iii) 108.56

(iv) 47.20

(v) 5.008

(vi) 26.039

**Solution:-**

Given decimal can be written in the word form as,

(i) 30.5 = Thirty point five

(ii) 0.03 = zero point zero three

(iii) 108.56 = One hundred eight point five six

(iv) 47.20 = Forty seven point two zero.

(v) 5.008 = Five point zero zero eight

(vi) 26.039 = Twenty six point zero three nine

**2. Write each of the following decimal numbers in the place value table :**

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(i) 4.2

(ii) 0.3

(iii) 205.9

(iv) 0.29

(v) 2.08

(vi) 7200.812

(vii) 38.007

**Solution:-**

Given decimal number can be written in the place value table as,

| Places        | Thousands | Hundreds | Tens | One | Tenths | Hundredths | Thousandths |
|---------------|-----------|----------|------|-----|--------|------------|-------------|
| Values        | 1000      | 100      | 10   | 1   | 1/10   | 1/100      | 1/1000      |
| (i) 4.2       |           |          |      | 4   | 2      |            |             |
| (ii) 0.3      |           |          |      | 0   | 3      |            |             |
| (iii) 205.9   |           | 2        | 0    | 5   | 9      |            |             |
| (iv) 0.29     |           |          |      | 0   | 2      | 9          |             |
| (v) 2.08      |           |          |      | 2   | 0      | 8          |             |
| (vi) 7200.812 | 7         | 2        | 0    | 0   | 8      | 1          | 2           |
| (vii) 38.007  |           |          | 3    | 8   | 0      | 0          | 7           |

**3. Write the following decimal numbers in the expanded form :**

(i) 123.7

(ii) 43.06

(iii) 509.306

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**Solution:-**

(i)  $123.7 = 100 + 20 + 3 + 7/10$

(ii)  $43.06 = 40 + 3 + 6/100$

(iii)  $509.306 = 500 + 9 + 3/10 + 6/1000$

**4. Write each of the following as a decimal number.**

(i)  $200 + 60 + 5 + 3/10$

**Solution:-**

Above question can be written in decimal form as = 265.3

(ii)  $50 + 1/10 + 6/100$

**Solution:-**

Above question can be written in decimal form as = 50.16

(iii)  $70 + 6 + 7/10 + 9/1000$

**Solution:-**

Above question can be written in decimal form as = 76.709

(iv)  $600 + 7 + 3/100 + 6/1000$

**Solution:-**

Above question can be written in decimal form as = 607.036

**5. Write each of the following as decimals:**

(i) Two ones and five tenths

**Solution:-**

Above questions can be written as,

$$= (2 \times 1) + (5 \times (1/10))$$

$$= 2 + 5/10$$

$$= 2 + 0.5$$

$$= 2.5$$

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**(ii) Two tens and nine tenths**

**Solution:-**

Above questions can be written as,

$$= (2 \times 10) + (9 \times (1/10))$$

$$= 20 + 9/10$$

$$= 20 + 0.9$$

$$= 20.9$$

**(iii) Six hundred point eight**

**Solution:-**

Above questions can be written as,

$$= 600.8$$

**(iv) Two hundred five and five hundredths**

**Solution:-**

Above questions can be written as,

$$= (205) + (5 \times (1/100))$$

$$= 205 + 5/100$$

$$= 205 + 0.05$$

$$= 205.05$$

**(v) Seven and fifteen thousandths**

**Solution:-**

Above questions can be written as,

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$$= (7 \times 1) + (15 \times (1/1000))$$

$$= 7 + 15/1000$$

$$= 7 + 0.015$$

$$= 7.015$$

6. Write the number given in the following place value table in decimal form:

|       | Thousands | Hundreds | Tens | One | Tenths | Hundredths | Thousandths |
|-------|-----------|----------|------|-----|--------|------------|-------------|
|       | 1000      | 100      | 10   | 1   | 1/10   | 1/100      | 1/1000      |
| (i)   | 7         | 1        | 0    | 2   | 3      | 0          | 6           |
| (ii)  |           | 2        | 1    | 1   | 9      | 0          | 2           |
| (iii) | 3         | 0        | 5    | 3   | 0      | 1          | 5           |
| (iv)  |           |          | 7    | 0   | 0      | 3          |             |
| (v)   |           |          |      | 5   | 4      | 0          |             |
| (vi)  |           | 7        | 1    | 9   | 0      | 2          | 8           |

**Solution:-**

(i) 7102.306

(ii) 211.902

(iii) 3053.015

(iv) 70.03

(v) 5.40

(vi) 719.028

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- Chapter 3- Integers
- Chapter 4- Playing with Numbers
- Chapter 5- Sets
- Chapter 6- Fractions
- Chapter 7- Decimals
- Chapter 8- Ratio and Proportion
- Chapter 9- Algebra
- Chapter 10- Basic Geometrical Concept
- Chapter 11- Understanding Symmetrical Shapes
- Chapter 12- Symmetry
- Chapter 13- Practical Geometry
- Chapter 14- Mensuration
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## About ML Aggarwal

M. L. Aggarwal, is an Indian mechanical engineer, educator. His achievements include research in solutions of industrial problems related to fatigue design. Recipient Best Paper award, Manipal Institute of Technology, 2004. Member of TSTE.

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