

# Mathematics

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(Chapter - 8) (Decimals) (Practice Test 6)

(Class VI)

Time: 1 Hour 15 Minutes

M. M: 25

## General Instructions:

1. This question paper contains four sections: A, B, C and D. Each part is compulsory.
2. Section A has 5 MCQ of one mark each.
3. Section B has 3 questions of two marks each.
4. Section C has 3 questions of three marks each.
5. Section D has 5 questions of five marks each, attempt any 1 out of 2.
6. There is no negative marking.

### Section - A

1. Which number is greater than 0.08?  
(A) 0.7 (B) 0.025 (C) 0.048 (D) 0.0299
2. Decimal form of 'Eleven point two three five' is \_\_\_\_\_.  
(A) 11.25 (B) 11.23 (C) 101.235 (D) 11.235
3. Digit at unit's place in 243.1 is :  
(A) 2 (B) 3 (C) 4 (D) 1
4. 7 Rupees 5 paise in decimal form is :  
(A) 7.5 (B) 7.05 (C) 75.0 (D) none of these
5. Write as a decimal:  $300 + 20 + 3 + 4/10 + 5/100$   
(A) 33.45 (B) 323.45 (C) 323.05 (D) None of these

### Section - B

6. Express as centimetre (cm) using decimals: (i) 5 mm (ii) 60 mm
7. Express as centimetre (cm) using decimals: (i) 175 mm (ii) 4 cm 5 mm
8. Find the sum of the each of the following:  
(i)  $102.360 + 7.054 + 0.800$   
(ii)  $0.060 + 4.108 + 91.500$

### Section - C

9. Express each of the following without using decimals  
(i) ₹5.25 (ii) 8.354 kg (iii) 3.05 km
10. Express each of the following without using decimals  
(i) 7.54 m (ii) 15.005 kg (iii) 12.05 m
11. Choose the decimal(s) from the brackets which are not equivalent to the given decimals:  
(i) 0.8 (0.80, 0.85, 0.800, 0.08)  
(ii) 25.1 (25.01, 25.10, 25.100, 25.001)  
(iii) 45.05 (45.050, 15.005, 45.500, 45.0500)

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Section - D

12. Which is greater? Give reason for your answer?

(i)  $1.008 < 1.800$

(ii)  $3.3 = 3.300$

(iii)  $5.64 > 5.603$

(iv)  $1.431 < 1.439$

(v)  $0.5 > 0.05$

10. Which of the following are like decimals?

(i) 0.34, 0.07, 5.35, 24.70

(ii) 45.05, 4.505, 20.55, 20.5

(iii) 8.80, 17.08, 8.94, 0.27

(iv) 4.50, 16.80, 0.700, 7.08



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Answers

## Section - A

- 0.7
- 11.235
- 3
- 7.05
- 323.45

## Section - B

- (i) We know that  $10 \text{ mm} = 1 \text{ cm}$ . Therefore  $1 \text{ mm} = 1/10 \text{ cm}$   $5 \text{ mm} = 5/10 \text{ cm} = 0.5 \text{ cm}$   
(ii) We know that  $10 \text{ mm} = 1 \text{ cm}$ . Therefore  $1 \text{ mm} = 1/10 \text{ cm}$   $60 \text{ mm} = 60/10 \text{ cm} = 6 \text{ cm}$
- (i) We know that  $10 \text{ mm} = 1 \text{ cm}$ . Therefore  $1 \text{ mm} = 1/10 \text{ cm}$   $175 \text{ mm} = 175/10 \text{ cm} = 17.5 \text{ cm}$   
(ii) We know that  $10 \text{ mm} = 1 \text{ cm}$ . Therefore  $1 \text{ mm} = 1/10 \text{ cm}$   $4 \text{ cm } 5 \text{ mm} = 4 + 5/10 = 4.5 \text{ cm}$
- (i) 110.214  
(ii) 95.668

## Section-C

- (i) We know  $100 \text{ paise} = 1 \text{ rupee}$  So,  $1 \text{ paise} = 1/100 \text{ rupee}$   
Therefore,  $\text{₹}5.25 = 5 + 0.25 = 5 + 25/100 = \text{₹}5 \text{ and } 25 \text{ paise}$   
(ii) We know that  $1000 \text{ g} = 1 \text{ kg}$  So  $1 \text{ g} = 1/1000 \text{ kg}$   
Therefore,  $8.354 = 8 + 0.354 = 8 + 354/1000 = 8 \text{ kg } 354 \text{ g } 1.35 \text{ cm}$   
We know that  $10 \text{ mm} = 1 \text{ cm}$  So,  $1 \text{ mm} = 1/10 \text{ cm}$   
Therefore  $3.5 = 3 + 0.5 = 3 + 5/10 = 3 \text{ cm } 5 \text{ mm}$   
(iii) We know that  $1000 \text{ m} = 1 \text{ km}$  Therefore  $3.05 = 3 + 0.05 = 3 + 5/100 = 3 + 50/1000 \text{ km} = 3 \text{ km } 50 \text{ m}$
- (i) We know that  $100 \text{ cm} = 1 \text{ m}$   
Therefore  $7.54 = 7 + 0.54 = 7 + 54/100 = 7 \text{ m } 54 \text{ cm}$   
(ii) We know that  $1 \text{ kg} = 1000 \text{ g}$   
Therefore,  $15.005 = 15 + 0.005 = 15 + 5/1000 = 15 \text{ kg } 5 \text{ g}$   
(iii) We know that  $1 \text{ m} = 100 \text{ cm}$   
Therefore  $12.05 = 12 + 0.05 = 12 + 5/100 = 12 \text{ m } 5 \text{ cm}$
- (i) 0.85 and 0.08 are not equivalent to the given decimal.  
In 0.85, we have 5 in the hundredth place, whereas in 0.8 we have nothing in the hundredth place.  
In 0.08, 0 is in the tenth place, whereas in 0.8, 8 is in the tenth place.  
(ii) 25.01 and 25.001 are not equivalent to the given decimal.  
In 25.01, 0 is in the tenth place, whereas in 25.1, 1 is in the tenth place.  
(iii) In 45.005 and 45.500 are not equivalent to the given decimal.  
In 45.005, 0 is in the hundredth place, whereas in 45.05, 5 is in the hundredth place.  
In 45.500, 5 is in the tenth place, whereas in 45.05 is in the tenth place.

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## Section - D

12. (i) The whole parts are equal, and comparing the tenth parts, we have  $0 < 8$

(ii) The whole parts and the tenth parts are both equal.

(iii) The whole parts and the digit in the tenth place are equal. But, comparing the digits in the hundredth's place we get  $4 > 0$   $1.5 = 1.50$  The whole parts and the digits in the tenth's place are equal.

(iv) The whole parts, the digit in the tenth's and hundredth's place are equal. But comparing the digits in the thousandth's place  $1 < 9$ .

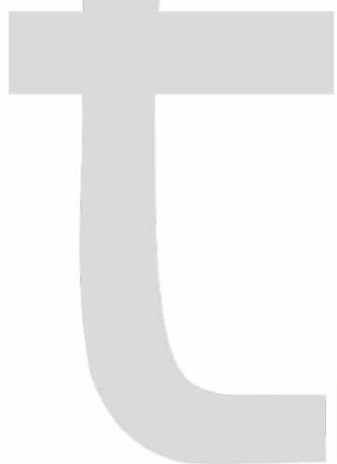
(v) Here the whole parts are both 0. Comparing the tenth's place, we have  $5 > 0$ .

13. (i) Like decimals, since these have the same number of digits after the decimal point

(ii) Unlike decimals, since these have different number of digits after the decimal point

(iii) Like decimals, since these have the same number of digits after the decimal point

(iv) Unlike decimals, since these have different number of digits after the decimal point



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