Mathematics

(Chapter – 8) (Decimals) (Practice Test 5)

(Class VI)

Time: 1 Hour 15 Minutes   M. M: 25

General Instructions:

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

Section – A

1. Decimal notation of 1/4 is _____.
(A) 0.4   (B) 0.04   (C) 0.02   (D) 0.25

2. 6.045 – 4.29 is equal to:
(A) 1.755   (B) 1.756   (C) 1.745   (D) None of these

3. Fractional form of 0.12 is:
(A) 1/25   (B) 2/25   (C) 3/25   (D) 4/25

4. Write as decimal 'Thirty and one-tenth'
(A) 30.2   (B) 3.1   (C) 31.2   (D) 30.1

5. Decimal form of 'seven-tenths' is _____.
(A) 0.5   (B) 0.8   (C) 0.6   (D) 0.7

Section – B

6. Write the following into decimals: (i) $137 + \dfrac{5}{100}$ (ii) $\dfrac{20+9+4}{100}$

7. Write the following into decimals: (i) $\dfrac{8}{100}$ (ii) $\dfrac{300}{1000}$

8. Write the following into decimals: (i) $\dfrac{18}{1000}$ (ii) $\dfrac{208}{100}$

Section – C

9. Write the following into decimals:

(i) $12\dfrac{1}{4}$ (ii) $718 = 7 + 18$ (iii) $5120 = 5 + 120$

10. Express the following fractions as decimals:

(i) $\dfrac{23}{10}$ (ii) $\dfrac{139}{100}$ (iii) $\dfrac{4375}{1000}$

11. Express the following fractions as decimals:

(i) $12\dfrac{1}{2}$ (ii) $75\dfrac{1}{4}$ (iii) $25\dfrac{1}{8}$

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12. Write the following into fractions:

(i) 0.04   (ii) $7\dfrac{1}{8}$ (iii) $5\dfrac{1}{20}$ (iv) 1.20   (v) 17.38

13. Write the following into decimals:

i)   2 tens, 9 ones, 4 tenths and 1 hundredth.
ii) 3 tens, we have3 tens, 4 tenths, 8 hundredths and 3 thousandths.
iii) 1 hundred, 3 tens, 7 ones and 5 hundredths.
iv) 7 tenths, 6 hundredths and 4 thousandths.
v)   2 tens, 3 ones, 2 tenths and 6 thousandths.
vi) 7 hundred, 2 tens, 5 ones and 9 hundredths.

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Answers

Section – A

1. 0.25
2. 1.755
3. 3/25
4. 30.1
5. 0.7

Section – B

6. (i) We have 1 hundred, 3 tens, 7 ones and 5 hundredths. Therefore, the decimal is 137.05

(ii) We have 2 tens, 9 ones and 4 hundredths. Therefore, the decimal is 29.04

7. (i) We have 8 hundredths. Therefore, the decimal is 0.08

(ii) In its lowest form, the fraction is 310. We have 3 tenths. Therefore, the decimal is 0.3

8. (i) We have eighteen thousandths. Therefore, the decimal is 0.018

(ii) 208/100 = 200100 + 8100 = 2 + 8100 We have 2 and 8 hundredths. Therefore, the decimal is 2.08

Section-C

9. (i) 1214 = 12 + 14 = 12 + 254(25) = 12 + 25100 = 12.25

(ii) 7 + 1(1258) (125) = 7 + 1251000 = 7.125

(iii) 5 + 1(520) (5) = 5 + 510 = 5.05

10. (i) 2310 = 20 + 310 = 2010 + 310 = 2 + 310 = 2.3

(ii) 139100 = 10 + 30 + 9100 = 100100 + 30100 + 9100 = 1 + 310 + 9100 = 1.39

(iii) 43751000 = 4000 + 300 + 70 + 51000 = 40001000 + 3001000 + 701000 + 51000
         = 4 + 310 + 7100 + 51000   = 4.375

11. (i) 1212 = 12 + 12 = 12 + 1(52)(5) = 12 + 510 = 12.5

(ii) 7514 = 75 + 14 = 75 + 1(254) (25) = 75 + 25100 = 75.25

(iii) 2518 = 25+1(1258) (125) = 25 + 1251000 = 25.125

Section – D

12. (i) = 0 + 0.04 = 0 + 4 hundredths = 0 + 4100 = 125

(ii) 2.34 = 2 + 0.34 = 2 + 34 hundredths = 2 + 34100 = 2(100100) + 34100 = 200100 + 34100 = 234100 = 11750 iii) 0.342 = 0 + 342 thousandths = 3421000 = 171500

(iii) 1 + 0.20 = 1 + 20 hundredths = 1 + 20100 = 100100 + 20100 = 120100 = 65

(iv) 17 + 0.38 = 17 + 38 hundredths = 17 + 38100 = 17(100100) + 38100 = 1700100 + 38100 = 1738100 =86950

13. (i) Here, we have 2 tens, 9 ones, 4 tenths and 1 hundredth. Therefore, the decimal is 29.41.

(ii) Here, we have 3 tens, we have3 tens, 4 tenths, 8 hundredths and 3 thousandths. Therefore, the decimal is 30.483

(iii) Here, we have 1 hundred, 3 tens, 7 ones and 5 hundredths. Therefore, the decimal is 137.05

(iv) Here, we have 7 tenths, 6 hundredths and 4 thousandths. Therefore, the decimal is 0.764

(v) Here, we have 2 tens, 3 ones, 2 tenths and 6 thousandths. Therefore, the decimal is 23.206.

(vi) Here, we have 7 hundred, 2 tens, 5 ones and 9 hundredths. Therefore, the decimal is 725.09.