Page # 34

EXERCISE

OBJECTIVE TYPE

Q.1 1.04 = ?(A) $1\frac{1}{5}$ (B) $1\frac{2}{5}$ (C) $1\frac{1}{25}$ (D) None of these Q.2 Which of the following is a true statement? (D) 1.14 < 1.040 (B) 1.143 > 1.15 (C) 1.14 < 1.2 (A) 1.14 > 1.2 Q.3 What should be subtracted from 0.1 to get 0.03? (B).07 (A) 0.7 (C).007 (D) None of these What should be added to 3.07 to get 3.5? Q.4 (D) 0.02 (A) 0.57 (B) 0.34 (C) 0.43 $0.4 \times 0.4 \times 0.4 = ?$ Q.5 (A) 6.4 (B) 0.64 (C) 0.064 (D) None of these Q.6 $2.08 \div (0.16) = ?$ (A) 13 (B) 0.13 (C) 1.3 (D) None of these Q.7 Express, 5kg 8g as kg using decimal (C) 5.008 kg (B) 5.08 kg (A) 5.8 kg (D) 58 kg The product of two decimals is 1.8576. If one of the decimals is 0.54, find the other. Q.8 (A) 3.44 (B) 34.4 (C).344 (D) 344 Find the weight of 16 bags of sugar, each weighing 48.450 kg. Q.9 (A) 77.520 kg (B) 7.7520 kg (C) 7752 kg (D) 775.20 kg Q.10 A car can cover a distance of 8.6 kg in one litre of petrol. How far can it go on 36.5 litres of petrol ? (B) 31.39 km (C) 0.3139 km (A) 313.9 km (D) 3139 km Q.11 0.4 can be written as : (C) $\frac{4}{1000}$ (A) $\frac{1}{1}$ (B) <u>100</u> (D) None of these Q.12 Decimal number part of 7.25 is (A) 7 (B) 0.2 (C) 0.25 (D) 0.05 **Q.13** How many $\frac{1}{10}$ together make 1 ? (A) 10 (B) 1 (C) 100 (D) none of these **Q.14** Decimal representation of $7 + \frac{4}{10} + \frac{3}{100}$ is : (A) 0.743 (B) 7.43 (C) 74.3 (D) 0.43

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	DECIMALS			Page # 35
Q.15	How many kr	n are there in 1 m ?		
	(A) 0.1	(B) 0.01	(C) 0.001	(D) 0.0001
Q.16	The weight of	f Jaya, Sabina, Sanju ar	nd Rohit are 1.16 m, 16	2 cm, 1600 mm and 1640 mm respectively.
	Who is the ta	allest of them all ?		
	(A) Jaya	(B) Sabina	(C) Sanju	(D) Rohit
Q.17	The weight o	f a basket ball is about	600000 mg. It is :	
	(A) less than	600 g	(B) greater tha	n 600 g
	(C) equal to	600 g	(D) none of the	ise
			3	
Q.18	Which decim	al number is greater the	an	
	(A) 0.5	(B) 0.85	(C) 0.73	(D) 0.75
Q.19	0.99, 9.90, 9	.09, 0.90, 0.909 arrang	ged in descending order	are :
	(A) 9.09, 0.9	9, 9.90, 0.90, 0.909		
	(B) 9.90, 9.0	9, 0.99, 0.909, 0.90		
	(C) 9.90, 0.9	9, 0.909, 9.09, 0.90		
	(D) 9.09, 9.9	0, 0.99, 0.909, 0.90		
Q.20	When 0.02 is	written as a fraction in	the simplest form, the	sum of the numerator and denominator is :
	(A) 12	(B) 21	(C) 51	(D) 100
			SUBJECTIVE TYPE	
Q.1	Write the foll	owing decimals in the p	place value table :	
	(i) 23.506	(ii) 5.678		
Q.2	Write each of	f the following as decim	nals :	
	(i) two hundr	ed and seven hundredt	ths	
	(ii) three ten	s five ones seven tenth	and two hundredth	
Q.3	Show the foll	owin <mark>g nu</mark> mber on numb	er line	
	(i) 1.7	(ii) 2.3		
Q.4	Write the foll	owing decimal as fracti	ion. Reduce the fraction	n to lowest form
	(i) 3.5	(ii) 80.25		
Q.5	Write as deci	mals		
	(i) $\frac{3}{-}$	(ii) <u>7</u>		
	(') 5	(¹¹) 4		
Q.6	Write each of	f the following as decim	nal.	
	(i) 300 + 50	$+7+\frac{5}{10}+\frac{9}{100}$		



Page # 36

Q.7 Write the following decimal in words

(i) 23.57 (ii) 4.06

- **Q.8** Which one is greater
 - (i) 5.678, 5.67 (ii) 2.3, 2.257
- Q.9 Using decimal express
 - (i) 27 rupees and 3 paise as rupees
 - (ii) 5 cm as meter
 - (iii) 9 cm 8 mm as cm
 - (iv) 26 kg 30 g as kg
- **Q.10** Find the cost of one pen if the cost of 24 pens is Rs. 2986.80
- **Q.11** A bowler took 15 wickets for 321 runs. What is his average score per wicket?
- **Q.12** Mr. Soni bought some bags of cement, each weighing 49.8 kg. If the total weight of all the bags is 1792.8 kg, how many bags did he buy ?
- Q.13 Add (Frist express metric measures in decimal notation and then odd.)
 - (i) Rs. 107.69 + Rs. 596.84
 - (ii) 13 km 831 m and 5 km 78 m
 - (iii) 17 g 8 mg, 295 g 87 mg, 64 g 3<mark>92 mg</mark>
- Q.14 Subtract : (First express metric measure in decimal notation)
 - (i) 7 km 698 m from 15 km 25 m
 - (ii) 25 m 89 cm from 40 m 2 cm
 - (iii) 12 L 45 mL from 15 L 600 mL
- Q.15 What must be added to 89.191 to get the smallest 3-digit number?
- **Q.16** The sum of three numbers is 112.165. If two numbers are 25.5 and 59.63, find the third number.
- Q.17 Shalini spent Rs. 835.75 on buying clothes, Rs. 309.15 on buying fruits and vegetables, Rs. 168.90 on buying sweets and Rs. 60.50 on transport. She had 3 five hundred rupee notes in her purse. How much money was left with her ?
- Q.18 Mani was 1.35 m tall in 2004. His height increase 0.2 m in one year. What is his height in 2005?
- Q.19 Convent each of the following decimals into a fraction in the lowest terms :

(i) 0.325		(ii) 0.075	(iii) 0.550	(iv) 0.005
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- **Q.20** Arrange in the increasing order :
 - (i) 0.125, 0.5<mark>2</mark>1, 0.152, 1.215
 - (ii) 4.123, 4.132, 41.320, 14.203

Page # 37

EXERCISE

Fractions and Decimals

In que	estions 1 to 20, out of The fraction which is	of the four options, only on s not equal to 4/5 is	e answer is correct.	Choose the correct answer.
	(A) 40/50	(B) 12/15	(C) 16/20	(D) 9/15
2.	The two consecutive (A) 5 and 6	e integers between which the (B) 0 and 1	fraction 5/7 lies are (C) 5 and 7	(D) 6 and 7
3.	When 1/4 is written (A) 3	with denominator as 12, its n (B) 8	umerator is (C) 24	(D) 12
4.	Which of the followir (A) 7/5	ng is not in the lowest form? (B) 15/20	(C) 13/33	(D) 27/28
5.	If $\frac{5}{8} = \frac{20}{P}$, then value	ue of p is		
	(A) 23	(B) 2	(C) 32	(D) 16
6.	Which of the followin (A) 6/8	ng is not equal to the others (B) 12/16	(C) 15/25	(D) 18/24
7.	Which of the followin (A) 5/7	ng fractions is the greatest? (B) 5/6	(C) 5/9	(D) 5/8
8.	Which of the followir (A) 7/8	ng fractions is the smallest? (B) 9/8	(C) 3/8	(D) 5/8
9.	Sum of 4/17 and 15/ (A) 19/17	/17 is (B) 11/17	(C) 19/34	(D) 2/17
10.	On subtracting 5/9 a (A) 24/9	and 19/9 the result is (B) 14/9	(C) 14/18	(D) 14/9
11.	0.7499 lies between (A) 0.7 and 0.74	(B) 0.75 and 0.79	(C) 0.749 and 0.75	(D) 0.74992 and 0.75
12.	0. 023 lies between (A) 0.2 and 0.3	(B) 0.02 and 0.03	(C) 0.03 and 0.029	(D) 0.026 and 0.024
13.	11/7 can be express	ed in the form		
	(A) $7\frac{1}{4}$	(B) $4\frac{1}{7}$	(C) $1\frac{4}{7}$	(D) $11\frac{1}{7}$
14.	The mixed fraction ⁵	$\frac{4}{7}$ can be expressed as		
15.	(A) 33/7 0.07 + 0.008 is equa	(B) 39/7 al to	(C) 33/4	(D) 39/4
	(A) 0.15	(B) 0.015	(C) 0.078	(D) 0.78
16.	Which of the followin (A) 0.182	ng decimals is the greatest? (B) 0.0925	(C) 0.29	(D) 0.038

17. Which of the following decimals is the smallest?

	DECIMALS			Page # 38
	(A) 0.27	(B) 1.5	(C) 0.082	(D) 0.103
18.	13.572 correc (A) 10	t to the tenths place is (B) 13.57	(C) 14.5	(D) 13.6
19.	15.8 – 6.73 is (A) 8.07	equal to (B) 9.07	(C) 9.13	(D) 9.25
20.	The decimal 0 (A) 119/500	.238 is equal to the fraction (B) 238/25	(C) 119 / 25	(D) 119 / 50
Inc	questions 21 to 4	14, fill in the blanks to mak	ce the statements true:	
21.	A number rep	resenting a part of a	is called a fraction.	
22.	A fraction with	n denominator greater than t	he numerator is called a	fraction.
23.	Fractions with	the same denominator are c	called fractions.	
24.	$13\frac{5}{18}$ is a	fraction.		
25.	18/5 is an	fraction.		
26.	7/19 is a	fraction.		
27.	5/8 and 3/8 a	re proper fractions.		
28.	6/11 and 6/13	are proper fractions		
29.	The fraction 6,	/15in simplest form is		
30.	The fraction 1	7/34in simplest form is		
31.	18/135 and 90)/675are proper, unlike and	fractions.	
32.	$8\frac{2}{7}$ is equal to	the improper fraction	_	
33.	87/7 is equal t	to the mixed fraction		
34.	$9 + \frac{2}{10} + \frac{6}{100}$ is	equal to the decimal number	r	
35.	Decimal 16.25	is equal to the fraction		
36.	Fraction 7/25i	s equal to the decimal numbe	er	
37.	$\frac{17}{9} + \frac{41}{9} = \dots$			
38.	$\frac{67}{14} - \frac{24}{14} = \dots$			

Page # 39

- **39.** $\frac{17}{2} + 3\frac{1}{2} = \dots$
- **40.** $9\frac{1}{4} \frac{5}{4} = \dots$
- **41.** 4.55 + 9.73 = _____.
- **42.** 8.76 2.68 = _____.
- **43.** The value of 50 coins of 50 paisa = Rs _____.
- **44.** 3 Hundredths + 3 tenths = _____.

In each of the questions 45 to 65, state whether the statement is true or false:

- **45.** Fractions with same numerator are called like fractions.
- **46.** Fraction 18/39 is in its lowest form.
- **47.** Fractions 15/39 and 45/117 are equivalent fractions.
- **48.** The sum of two fractions is always a fraction.
- **49.** The result obtained by subtracting a fraction from another fraction is necessarily a fraction.
- **50.** If a whole or an object is divided into a number of equal parts, then each part represents a fraction.
- **51.** The place value of a digit at the tenths place is 10 times the same digit at the ones place.
- **52.** The place value of a digit at the hundredths place is 1/10 times the same digit at the tenths place.
- **53.** The decimal 3.725 is equal to 3.72 correct to two decimal places.
- **54.** In the decimal form, fraction $\frac{23}{8} = 3.125$
- **55.** The decimal $23.2 = 23\frac{2}{5}$
- 56. The fraction represented by the shaded portion in the adjoining figure is 3/8
- **57.** The fraction represented by the unshaded portion in the adjoining figure is 5/9

	-	

58. $\frac{25}{19} + \frac{6}{19} = \frac{31}{38}$ **59.** $\frac{8}{18} - \frac{8}{15} = \frac{8}{3}$

60.	$\frac{7}{12} + \frac{11}{12} = \frac{3}{2}$	61.	3.03 + 0.016 = 3.019	
62.	42.28 - 3.19 = 39.09	63.	$\frac{16}{25} > \frac{13}{25}$	
64.	19.25 < 19.053	65.	13.730 = 13.73	
In each of the questions 66 to 71, fill in the blanks using `>', `<' or `=' :				
66.	11/1614/15	67.	8/1595/14	
68.	12/7532/200	69.	3.25 3.4	
70.	$\frac{18}{15}$ 1.3	71.	$6.25\frac{25}{4}$	

72. Write the fraction represented by the shaded portion of the adjoining figure.





- 74. All divided one fruit cake equally among six persons. What part of the cake he gave to each person?
- **75.** Arrange 12.142, 12.124, 12.104, 12.401 and 12.214 in ascending order.
- **76.** Write the largest four digit decimal number less than1using the digits 1, 5, 3 and 8 once.
- **77.** Using the digits **2**, **4**, **5** and **3** once, write the smallest four digit decimal number.
- **78.** Express 11/20 as a decimal.
- **79.** Express $6\frac{2}{3}$ as an improper fraction.
- **80.** Express $3\frac{2}{5}$ as a decimal.

	DECIMALS Page # 41
81.	Express 0.041 as a fraction.
82.	Express 6.03 as a mixed fraction.
83. 84.	Convert 5201g to kg. Convert 2009 paise to rupees and express the result as a mixed fraction.
85.	Convert 1537cm to m and express the result as an improper fraction.
86.	Convert 2435m to km and express the result as mixed fraction.
87.	Arrange the fractions $\frac{2}{3}, \frac{3}{4}, \frac{1}{2}$ and $\frac{5}{6}$ in ascending order.
88.	Arrange the fractions $\frac{6}{7}, \frac{7}{8}, \frac{4}{5}$ and $\frac{3}{4}$
89.	Write 3/4 as a fraction with denominator 44.
90.	Write 5/6 as a fraction with numerator 60.
91.	Write 129/8 as a mixed fraction.
92.	Round off 20.83 to nearest tenths.
93.	Round off 75.195 to nearest hundredths.
94.	Round off 27.981 to nearest tenths.
95.	Add the fractions 3/8 and 2/3.
96.	Add the fractions 3/8 and $6\frac{3}{4}$.
97.	Subtract 1/6 and 1/2 .
98.	Subtract $8\frac{1}{3}$ and $\frac{100}{9}$.
99.	Subtract $1\frac{1}{4}$ and $6\frac{1}{2}$.
100.	Add $1\frac{1}{4}$ and $6\frac{1}{2}$.

Page # 42

ANSWER KEY -1

