PERIODIC ASSIGNMENT – 3 2020-21		
Class –6	**CH -7 and 8**	**Sub: MATHS**

(i) Multiple Choice Questions: [1 MARKS QUESTION]

1. The fraction which is not equal to 4/5 is

   a. 40/50   b. 12 /16   c. 16/20   d. 9/15

2. If 5/8 = 20/p, then value of p is

   a. 23   b.2   c. 32   d. 16

3. Sum of 4 / 17 and 15 / 17 is

   a. $2\frac{1}{17}$.   b. $1\frac{1}{17}$.   c. . $3\frac{1}{17}$.   d. $1\frac{2}{17}$.

4. Which of the following fraction is smallest?

   a. 16/23   b. 17/23   c. 9/23   d. 11/23

5. Which of the following is not in the lowest form?

   a.. 7/5   b. 15/20   c. 13/33   d. 27/28

6. 0.023 lie 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

7. 0.74 99 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

8. The decimal 0.238 is equal to the fraction

   a. 119/500   b. 238/25   c. 119/25   d. 119/60

9. Which of the following decimal is the smallest?

   a. 0.37   b. 1.52   c. 0.087   d. 0.105

10. 0.07 + 0.008 is equal to

   a. 0.15   b. 0.015   c. 0.078   d. 0.78

(ii) Fill the blank: **[1 MARKS QUESTION]**

   1.   . A number representing a part of a ------------is called a fraction. (whole)

2. A fraction with numerator greater than the denominator is called an --------- fraction.(improper)
3. Fractions with the same denominators are called----------- fractions .(like)
4. 13 5/18 is a--------- Fraction.   (Mixed)
5. 1 whole = ------------ tenths.   (10)
6. 2 km 590 m is equal to--------- km. (2.590km)
7. The value of 3.64 – 1.2 is ----------- (2.36)
8. The value of 50 coins of 50 paise = Rs ---------- (25)
9. 3Hundredths +2 tenths = ---------- (0.23)
10. 4.56 + 9.25 = --------   (13.81)

(iii) Tell whether the statement is true or false: [1 MARKS QUESTION]

1. Fraction 19/39 is in its lowest form.   True
2. Fraction 7/ 9 and 42 /54 equivalent fractions.   True
3. Sum of two fractions is always a fraction.   False
4. the result obtained by subtracting a fraction from another fraction is necessarily fraction.   False
5. If a whole of an object is divided into a number of equal parts, then its path represents fraction. True
6. In the decimal form, fraction 25/8 = 3.125.   True
7. The decimal 23.2 =23 2/3   False
8. The place value of a digit at the tenth place Is 1/10 times the same digit at ones place.   True
9. The place value of a digit at the hundredths place is 1/10 times the same digit at the tenths place. True
10. The decimal 3.725 is equal to 3.72 correct to two decimal places.   False
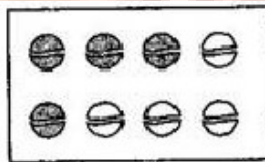
(iv) Solve: Each carry one mark
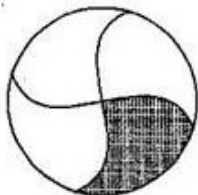
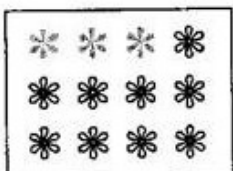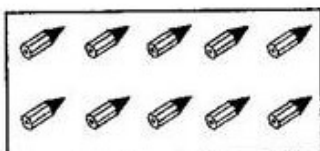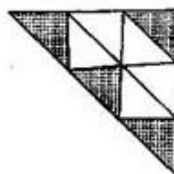1. Write the fraction representing the shaded portion:
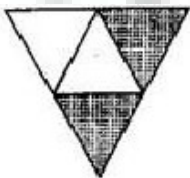
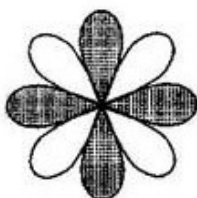

(i)   (ii)   (iii)
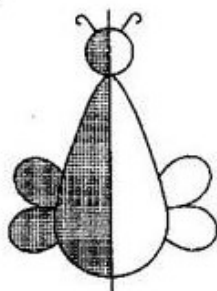
(iv)   (v)

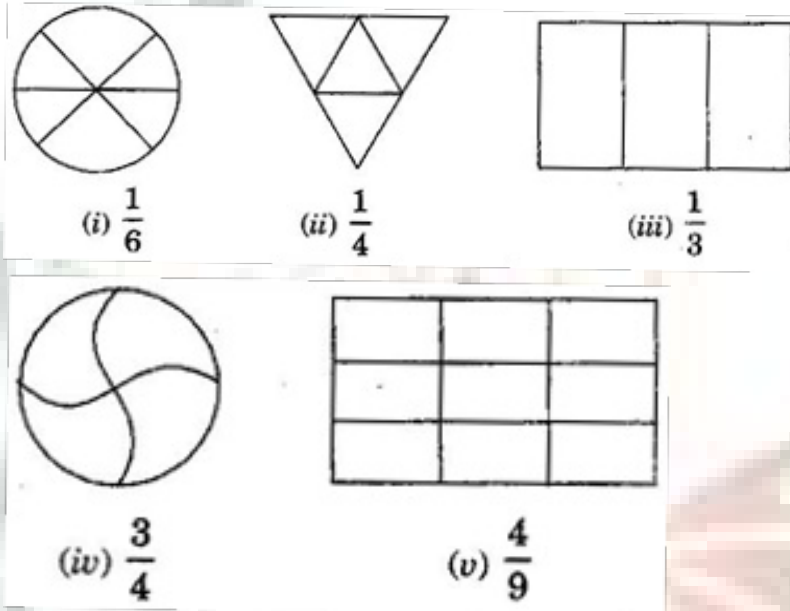(vi)   (vii)   (viii)

(ix)   (x)

Answer: (i) $\frac{2}{4}$ (ii) $\frac{8}{9}$ (iii) $\frac{4}{8}$ (iv) $\frac{1}{4}$ (v) $\frac{3}{7}$
(vi) $\frac{9}{12}$ (vii) $\frac{10}{10}$ (viii) $\frac{4}{9}$ (ix) $\frac{4}{8}$ (x) $\frac{1}{2}$

2. Color the part according to the given fraction:

(i) $\frac{1}{6}$ (ii) $\frac{1}{4}$ (iii) $\frac{1}{3}$

(iv) $\frac{3}{4}$ (v) $\frac{4}{9}$

Answer:

(i) (ii) (iii)

(iv) (v)
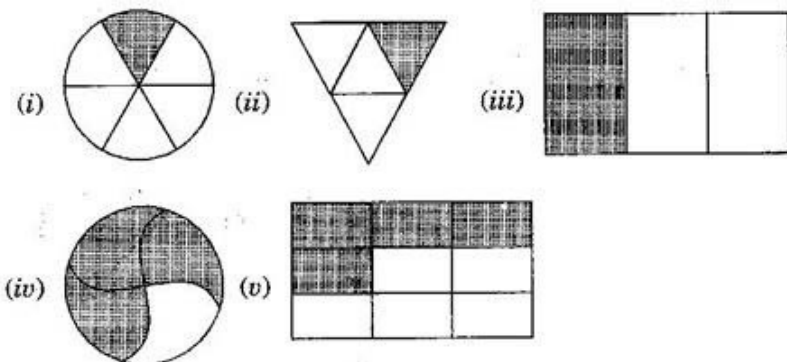
3. Express the following as mixed fractions.   (i)15/4   (ii)25/6

4. Express the following as improper fraction   (i) 5 ¼   (ii) 7 2/3

5. Simplify (i) 6 – ¾ (ii) 7/12 –4/15

6. Write three hundred five and four hundredth as decimal form

7. Write 2.4 as fraction in lowest terms.

8. Writer v200 + 40 + 5 2/100 as decimals.

9. Arrange the following decimals in a descending order:

a) 7.3, 8.73, 73.03, 7.33,8.073   b) 8.88, 8.088, 888.8, 88.08, 8.008

10. Convert each of the following decimals as a mixed fraction: a) 7.5   b) 24.8   c) 13.25

Solve: Each carry two marks

1. What fraction of an hour is 40 minutes?

2. Write the natural numbers from 2 to 12. What fraction of them are prime numbers?

3. Write the natural numbers from 102 to 113. What fraction of them is prime number?

4. Draw number lines and locate the points on them:

   (a).1/4, 2/4, 3/4, 4/4   (b) 1/8, 3/8, 5/8, 7/8

5. Express the following fractions as mixed fractions:

(a) 20/3   (b) 11/5   (c) 17/7   (d) 19/6

6. Write the following decimals in the place value table:

   (a) 19.4   (b) 0.3   (c) 10.6   (d) 205.9

Answer: (a)

Hundreds	Tens	Once	Tenths
0	1	9	4

(b)

Hundreds	Tens	Once	Tenths
0	0	0	3

(c)

Hundreds	Tens	Once	Tenths
0	1	0	6

(d)

Hundreds	Tens	Once	Tenths
2	0	5	9

7. Write each of the following as decimals:

(a) seven-tenths

(b) Two tens and nine-tenths

(c) Fourteen point six

(d) One hundred and two-ones

(e) Six hundred point eight

Answer: (a) seven-tenths = 7 tenths = $\frac{7}{10}$ = 0.7

(b) 2 tens and 9-tenths = 2 x 10 + $\frac{9}{10}$ = 20 + 0.9 = 20.9

(c) Fourteen point six = 14.6

(d) One hundred and 2-ones = 100 + 2 x 1 = 100 + 2 = 102

(e) Six hundred point eight = 600.8

8. Write the following decimals as fraction. Reduce the fractions to lowest terms:

| (a) 0.6 | (b) 2.5 | (c) 1.0 | (d) 3.8 |
| (e) 13.7 | (f) 21.2 | (g) 6.4 |

Answer: (a) 0.6 = 6/10 = 3/5

(b) 2.5 = 25/10 = 5/2

(c) 1.0 = $\frac{10}{10}$ = 1

(d) 3.8 = $\frac{38}{10}$ = $\frac{19}{5}$

(e) 13.7 = $\frac{137}{10}$

(f) $21.2 = \frac{212}{10} = \frac{106}{5}$

(g) 6.4 = $\frac{64}{10}$ = $\frac{32}{5}$

9. Write the following decimals in the place value table:

(a) 0.29   (b) 2.08   (c) 19.60

Answer:

	Numbers	Hundreds	Tens	Ones	Tenths	Hundredth	Thousandths
		100	10	1	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$
(a)	0.29	0	0	0	2	9	0
(b)	2.08	0	0	2	0	8	0
(c)	19.60	0	1	9	6	0	0
(d)	148.32	1	4	8	3	2	0
(e)	200.812	2	0	0	8	1	2

10. Write each of the following as decimals:

(a) $20 + 9 + \frac{4}{10} + \frac{1}{100}$

(b) $137 + \frac{5}{100}$

(c) $\frac{7}{10} + \frac{6}{100} + \frac{4}{1000}$

(d) $23 + \frac{2}{10} + \frac{6}{1000}$

(e) $700 + 20 + 5 + \frac{9}{100}$

Answer: (a) $20 + 9 + 0.4 + 0.01 = 29.41$

(b) $137 + 0.05 = 137.05$

(c) $0.7 + 0.06 + 0.004 = 0.764$

(d) $23 + 0.2 + 0.006 = 23.206$

(e) $700 + 20 + 5 + 0.09 = 725.09$

Solve: Each carry three marks

1. Ila read 25 pages of a book containing 100 pages. Lalita read 2/5th of the same book. Who read less?

Answer: Ila read 25 pages out of 100 pages.

Fraction of reading the pages = $\frac{25}{100} = \frac{1}{4}th$ part of book

Lalita read $\frac{2}{5}th$ part of book = $\frac{40}{100}$ pages

Since $\frac{1}{4} < \frac{2}{5}$

Therefore, Ila read less.

2. Rafiq exercised for $\frac{3}{6}$ of an hour, while Rohit exercised for $\frac{3}{4}$ of an hour. Who exercised for a longer time?

Answer: Rafiq exercised $\frac{3}{6}$ of an hour.

Rohit exercised $\frac{3}{4}$ of an hour.

Since $\frac{3}{4} > \frac{3}{6}$

Therefore, Rohit exercised for a longer time.

3. In a class A of 25 students, 20 passed in first class; in another class B of 30 students, 24 passed in first class. In which class was a greater fraction of students getting first class?

Answer: In class A, 20 passed out of 25, i.e $\frac{20}{25} = \frac{4}{5}$

In class B, 24 passed out of 30, i.e., $\frac{24}{30} = \frac{4}{5}$

Hence, each class have same fraction of student getting first class.

4. Rashid spent Rs. 35.75 for Maths book and Rs. 32.60 for Science book. Find the total amount spent by Rashid.

Answer: Money spent for Maths book = Rs. 35.75

Money spent for Science book = Rs. 32.60

Total money spent = Rs. 35.75 + Rs. 32.60 = Rs. 68.35 Therefore, total money spent by Rashid is Rs.68.35

5. Radhika's mother gave her Rs. 10.50 and her father gave her Rs. 15.80. Find the total amount given to Radhika by her parents.

Answer: Money given by her mother = Rs. 10.50

Money given by her father = Rs. 15.80

Total money received by Radha = Rs. 10.50 + Rs. 15.80 = Rs. 26.30

Therefore, total money received by Radha is Rs. 26.30.

PAPER FORMAT

QUESTION 1

(i) Multiple Choice Questions: [1 MARKS QUESTION]   **[1 X 4 = 4]**

(ii) Fill the blank: **[1 MARKS QUESTION]**   **[1 X 4 = 4]**

(iii) Tell whether the statement is true or false: [1 MARKS QUESTION]   **[1 X 4 = 4]**

(iv) Solve: Each carry one mark: [1 MARKS QUESTION]   **[1 X 4 = 4]**

QUESTION 2

Solve: Each carry two marks (Any three)   **[2 X 3 = 6]**

QUESTION 3

Solve: Each carry three marks (Any one)   **[3 X 1= 3]**