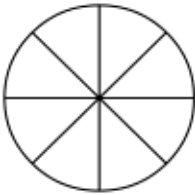


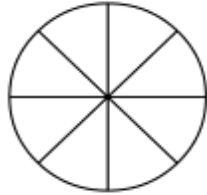
**NISCORT FATHER AGNEL SCHOOL, VAISHALI (2017-18)**  
**SELF LEARNING WORKSHEET-7**  
**CLASS-IV**  
**TOPIC - FRACTIONS**

1. Colour the figure to show the fraction.

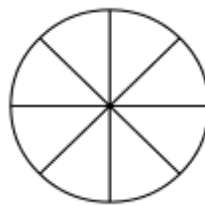
(i)  $\frac{2}{8}$



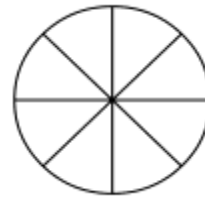
(ii)  $\frac{3}{8}$



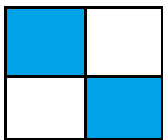
(iii)  $\frac{5}{8}$



(iv)  $\frac{4}{8}$



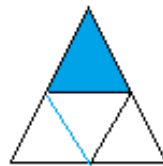
2. Write fraction for the shaded part.



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_

3. Write next four equivalent fractions.

(a)  $\frac{1}{4} = \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

(b)  $\frac{3}{6} = \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

(c)  $\frac{4}{9} = \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

(d)  $\frac{5}{12} = \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

4. Check whether they are equivalent fractions or not by using cross multiplication method.

(a)  $\frac{6}{18}$  and  $\frac{9}{15}$

(b)  $\frac{8}{15}$  and  $\frac{24}{45}$

(c)  $\frac{1}{6}$  and  $\frac{7}{48}$

(d)  $\frac{6}{8}$  and  $\frac{21}{28}$

(e)  $\frac{14}{20}$  and  $\frac{5}{7}$

(f)  $\frac{9}{17}$  and  $\frac{18}{51}$

5. Put the correct symbol  $>$  or  $<$  in the blank box.

(a)  $\frac{3}{4}$    $\frac{3}{7}$

(b)  $\frac{4}{9}$    $\frac{4}{7}$

(c)  $\frac{6}{8}$    $\frac{6}{11}$

(d)  $\frac{2}{5}$    $\frac{2}{9}$

(e)  $\frac{7}{10}$    $\frac{7}{13}$

(f)  $\frac{8}{15}$    $\frac{8}{11}$

6. Arrange the following fractions in ascending order:

(a)  $\frac{7}{9}$ ,  $\frac{1}{9}$ ,  $\frac{4}{9}$  and  $\frac{5}{9}$

(b)  $\frac{4}{13}$ ,  $\frac{2}{13}$ ,  $\frac{9}{13}$ ,  $\frac{11}{13}$  and  $\frac{8}{13}$

(c)  $\frac{2}{5}$ ,  $\frac{2}{7}$ ,  $\frac{2}{3}$ , and  $\frac{2}{9}$

(d)  $\frac{3}{4}$ ,  $\frac{3}{7}$ ,  $\frac{3}{11}$ ,  $\frac{3}{5}$  and  $\frac{3}{9}$

7. Arrange the following fractions in descending order:

(a)  $\frac{4}{7}$ ,  $\frac{2}{7}$ ,  $\frac{6}{7}$ ,  $\frac{1}{7}$  and  $\frac{3}{7}$

(b)  $\frac{11}{15}$ ,  $\frac{4}{15}$ ,  $\frac{14}{15}$ ,  $\frac{7}{15}$  and  $\frac{13}{15}$

(c)  $\frac{2}{9}$ ,  $\frac{2}{11}$ ,  $\frac{2}{5}$ , and  $\frac{2}{3}$

(d)  $\frac{1}{9}$ ,  $\frac{1}{3}$ ,  $\frac{1}{6}$ , and  $\frac{1}{12}$

8. Circle the proper fractions and cross the improper fractions:

$\frac{4}{7}$	$\frac{6}{5}$	$\frac{3}{4}$	$\frac{5}{6}$	$\frac{9}{4}$	$\frac{7}{4}$
$\frac{12}{7}$	$\frac{9}{8}$	$\frac{11}{19}$	$\frac{13}{9}$	$\frac{8}{13}$	$\frac{5}{27}$

9. Find the sum:

(a)  $\frac{1}{6} + \frac{3}{6}$

(b)  $\frac{1}{7} + \frac{4}{7}$

(c)  $\frac{3}{8} + \frac{4}{8}$

(d)  $\frac{2}{4} + \frac{1}{4}$

(e)  $\frac{5}{11} + \frac{3}{11} + \frac{2}{11}$

(f)  $\frac{4}{15} + \frac{7}{15} + \frac{2}{15}$

10. Find the difference:

(a)  $\frac{7}{8} - \frac{3}{8}$

(b)  $\frac{5}{6} - \frac{1}{6}$

(c)  $\frac{4}{7} - \frac{3}{7}$

(d)  $\frac{11}{15} - \frac{4}{15}$

(e)  $\frac{12}{17} - \frac{8}{17}$

(f)  $\frac{13}{20} - \frac{7}{20}$

11. Fill in the place holders:

(a)  $\frac{1}{7} + \frac{2}{7} = \frac{5}{7}$

(b)  $\frac{3}{11} + \frac{4}{11} = \frac{7}{11}$

(c)  $\frac{14}{17} - \frac{4}{17} = \frac{10}{17}$

(d)  $\frac{9}{25} - \frac{6}{25} = \frac{3}{25}$

(e)  $\frac{15}{19} - \frac{4}{19} = \frac{11}{19}$

(f)  $\frac{4}{13} + \frac{5}{13} = \frac{9}{13}$

12. Solve the following word problems:

(a) Ashu read  $\frac{3}{7}$  of his book in the morning and  $\frac{2}{7}$  in the evening. What part of the book has he read?

(b) Rajeev travelled  $\frac{2}{11}$  of his journey on the first day,  $\frac{4}{11}$  on the second day and  $\frac{3}{11}$  on the third day. What part of the journey did Rajeev cover in the three days?

(c) Rohit and Mohit had  $\frac{3}{8}$  pizza with them. They gave  $\frac{2}{8}$  pizza to a friend. How much pizza is left with them?

(d) There are 11 pieces of sugar cane. Mamta took 3 pieces and Gagan took 2 pieces. What fraction did they take together?

ANSWERS:

2. (a)  $\frac{1}{2}$  (b)  $\frac{3}{8}$  (c)  $\frac{1}{4}$  (d)  $\frac{3}{8}$

3. (a)  $\frac{2}{8}, \frac{3}{12}, \frac{4}{16}, \frac{5}{20}$  (b)  $\frac{6}{12}, \frac{9}{18}, \frac{12}{24}, \frac{15}{30}$  (c)  $\frac{8}{18}, \frac{12}{27}, \frac{16}{36}, \frac{20}{45}$  (d)  $\frac{10}{24}, \frac{15}{36}, \frac{20}{48}, \frac{25}{60}$

4. (a) Non-equi. (b) equi. (c) Non-equi. (d) equi. (e) Non-equi. (f) Non-equi.

5. (a)  $>$  (b)  $<$  (c)  $<$  (d)  $>$  (e)  $>$  (f)  $<$

6. (a)  $\frac{1}{9}, \frac{4}{9}, \frac{5}{9}, \frac{7}{9}$  (b)  $\frac{2}{13}, \frac{4}{13}, \frac{8}{13}, \frac{9}{13}, \frac{11}{13}$  (c)  $\frac{2}{9}, \frac{2}{7}, \frac{2}{5}, \frac{2}{3}$  (d)  $\frac{3}{11}, \frac{3}{9}, \frac{3}{7}, \frac{3}{5}, \frac{3}{4}$

7. (a)  $\frac{6}{7}, \frac{4}{7}, \frac{3}{7}, \frac{2}{7}, \frac{1}{7}$  (b)  $\frac{14}{15}, \frac{13}{15}, \frac{11}{15}, \frac{7}{15}, \frac{4}{15}$  (c)  $\frac{2}{3}, \frac{2}{5}, \frac{2}{9}, \frac{2}{11}$  (d)  $\frac{1}{3}, \frac{1}{6}, \frac{1}{9}, \frac{1}{12}$

8. Proper –  $4/7, 3/4, 5/6, 11/19, 8/13, 5/27$

Improper –  $6/5, 9/4, 7/4, 12/7, 9/8, 13/9$

9. (a)  $\frac{4}{6}$  (b)  $\frac{5}{7}$  (c)  $\frac{7}{8}$  (d)  $\frac{3}{4}$  (e)  $\frac{10}{11}$  (f)  $\frac{13}{15}$

10. (a)  $\frac{4}{8}$  (b)  $\frac{4}{6}$  (c)  $\frac{1}{7}$  (d)  $\frac{7}{15}$  (e)  $\frac{4}{17}$  (f)  $\frac{6}{20}$

11. (a) 3 (b) 4 (c) 4 (d) 6 (e) 4 (f)  $\frac{5}{13}$

12. (a)  $\frac{5}{7}$  (b)  $\frac{9}{11}$  (c)  $\frac{1}{8}$  (d)  $\frac{5}{11}$

**NISCORT FATHER AGNEL SCHOOL, VAISHALI (2017-18)**  
**SELF LEARNING WORKSHEET-8**  
**CLASS-IV**  
**TOPIC – DECIMALS**

1. Write the following decimals in words.

- (ii) 0.5                      (ii) 0.6                      (iii) 2.5                      (iv) 4.7  
(v) 6.5                      (vi) 1.04                      (vii) 30.06                      (viii) 0.85

2. Convert the following fractions to decimal form:

- (a)  $\frac{7}{10}$                       (b)  $\frac{8}{100}$                       (c)  $\frac{37}{100}$                       (d)  $\frac{5}{10}$   
(e)  $\frac{15}{100}$                       (f)  $\frac{26}{100}$                       (g)  $\frac{54}{10}$                       (h)  $9\frac{5}{10}$

3. Match the following:

- |                            |      |
|----------------------------|------|
| (a) Four hundredths        | 0.4  |
| (b) Four tenths            | 0.04 |
| (c) Four and four tenths   | 0.44 |
| (d) Forty -four hundredths | 4.4  |
| (e) Forty hundredths       | 0.40 |

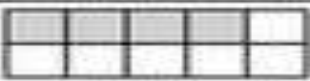
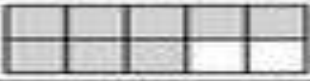
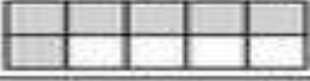
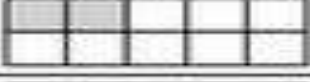
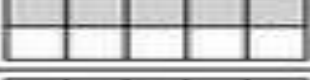
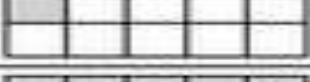
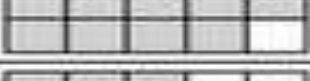
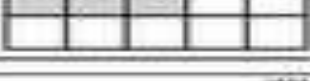
4. Write the following as fractions and as decimals:

	Fractions	Decimals
(a) Seven tenths	_____	_____
(b) Nineteen hundredths	_____	_____
(c) Six and five tenths	_____	_____
(d) Twenty- three hundredths	_____	_____
(e) Seventy- three hundredths	_____	_____
(f) Seven and two tenths	_____	_____

5. Observe the pattern and complete the sequence:

- (a) 3.05, 3.06, 3.07, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_  
(b) 10.10, 10.11, 10.12, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_  
(c) 1.32, 1.33, 1.34, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_  
(d) 5.3, 5.4, 5.5, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_  
(e) 2.07, 2.08, 2.09, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

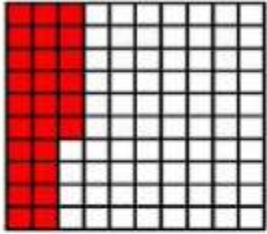
6. Write the fraction and decimals for the shaded portions:

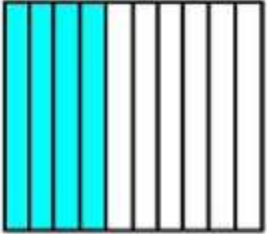
Model	Fraction	Decimal
	$\frac{4}{10}$	0.4
		
		
		
		
		
		
		

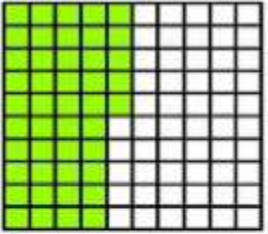
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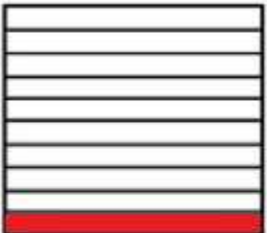
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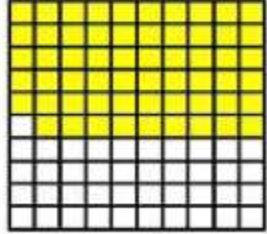
7. Write the decimal and the fraction of each shaded part.

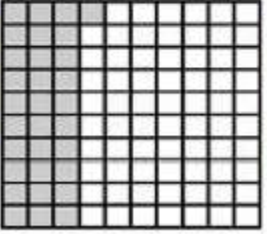
a.  \_\_\_\_\_

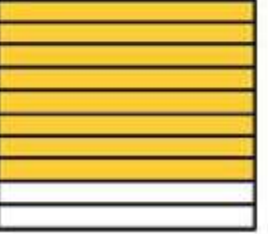
b.  \_\_\_\_\_

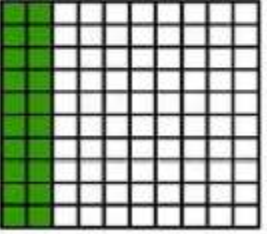
c.  \_\_\_\_\_

d.  \_\_\_\_\_

e.  \_\_\_\_\_

f.  \_\_\_\_\_

g.  \_\_\_\_\_

h.  \_\_\_\_\_

ANSWERS:

1. (i) Five tenths (ii) Six tenths (iii) Two and five tenths (iv) Four and seven tenths  
(v) Six and five tenths (vi) One and four hundredths (vii) Thirty and six hundredths  
(viii) Eighty-five hundredths
2. (a) 0.7 (b) 0.08 (c) 0.37 (d) 0.5 (e) 0.15 (f) 0.26 (g) 5.4 (h) 9.5
3. (a) 0.04 (b) 0.4 (c) 4.4 (d) 0.44 (e) 0.40
4. (a)  $\frac{7}{10}$ , 0.7 (b)  $\frac{19}{100}$ , 0.19 (c)  $6\frac{5}{10}$ , 6.5 (d)  $\frac{23}{100}$ , 0.23 (e)  $\frac{73}{100}$ , 0.73 (f)  $7\frac{2}{10}$ , 7.2
5. (a) 3.08, 3.09, 3.10 (b) 10.13, 10.14, 10.15 (c) 5.6, 5.7, 5.8 (d) 1.35, 1.36, 1.37  
(e) 2.10, 2.11, 2.12