

# Mathematics

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(Chapter - 7) (Fractions) (Practice Test 3)

(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. A two-digit number is such that the product of the digits is 8. When 18 is added to the number, then the digits are reversed. The number is:

- (A) 18                      (B) 42                      (C) 24                      (D) 81

2. A \_\_\_\_\_ is a number representing part of a whole.

- (A) Decimal                      (B) Proper fraction                      (C) Fraction                      (D) None of these

3. By how much is  $\frac{19}{20}$  greater than  $\frac{2}{20}$ ?

- (A)  $\frac{21}{20}$                       (B)  $\frac{21}{40}$                       (C)  $\frac{17}{20}$                       (D)  $\frac{17}{40}$

4. What is the fractional form of five eighteenths?

- (A)  $\frac{15}{18}$                       (B)  $\frac{18}{5}$                       (C)  $\frac{5}{18}$                       (D) 5.18

5. What fraction of an hour is 40 minutes?

- (A) 1                      (B)  $\frac{1}{3}$                       (C)  $\frac{2}{3}$                       (D) None of these

### Section - B

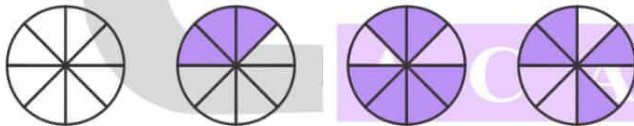
6. Represent  $\frac{2}{5}$  on a number line.

7. Represent  $\frac{0}{10}$ ,  $\frac{1}{10}$ ,  $\frac{5}{10}$  and  $\frac{10}{10}$  on a number line.

8. Represent  $\frac{2}{7}$ ,  $\frac{5}{7}$  and  $\frac{6}{7}$  on a number line.

### Section - C

9. Write each fraction. Arrange them in ascending and descending order using correct sign '<', '= ' >' between the fractions:



10. Mark  $\frac{2}{6}$ ,  $\frac{4}{6}$ ,  $\frac{8}{6}$ ,  $\frac{6}{6}$  on the number line.

11. Compare the following fractions using the symbol > or <:

(i)  $\frac{6}{7}$  and  $\frac{6}{11}$

(ii)  $\frac{3}{7}$  and  $\frac{5}{7}$

(iii)  $\frac{2}{3}$  and  $\frac{8}{12}$

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Section - D

12. Put appropriate signs between fractions given below:

(i)  $\frac{5}{6} - \frac{2}{6}$

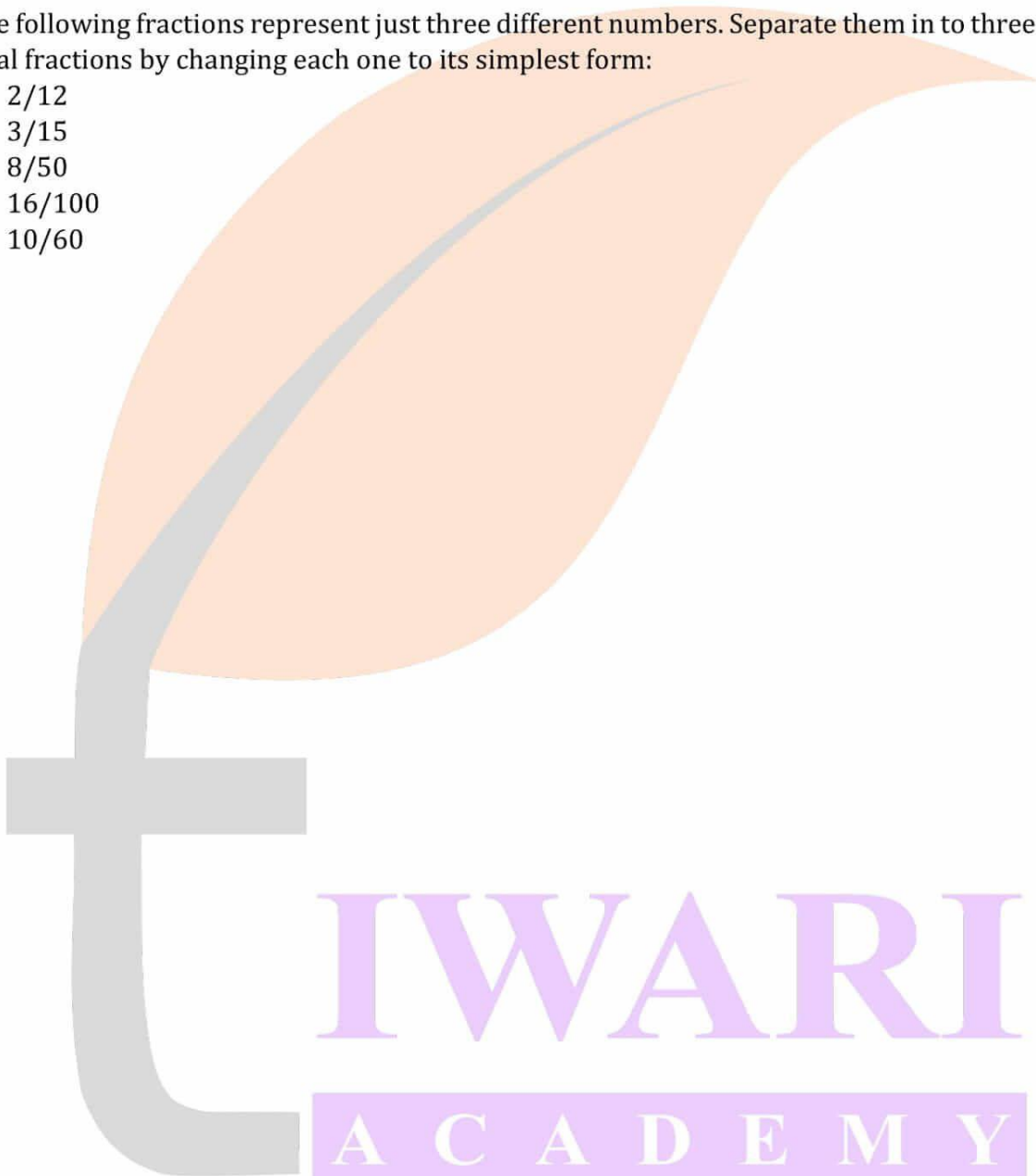
(ii)  $\frac{3}{6} - \frac{0}{6}$

(iii)  $\frac{1}{6} - \frac{6}{6}$

(iv)  $\frac{8}{6} - \frac{5}{6}$

13. The following fractions represent just three different numbers. Separate them in to three groups of equal fractions by changing each one to its simplest form:

- i)  $\frac{2}{12}$
- ii)  $\frac{3}{15}$
- iii)  $\frac{8}{50}$
- iv)  $\frac{16}{100}$
- v)  $\frac{10}{60}$



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Answers

## Section - A

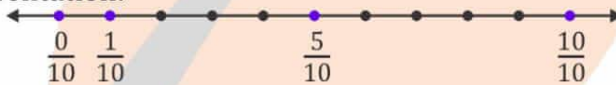
- 24
- Fraction
- $\frac{17}{20}$
- $\frac{5}{18}$
- $\frac{2}{3}$

## Section - B

6. Representation:



7. Representation:

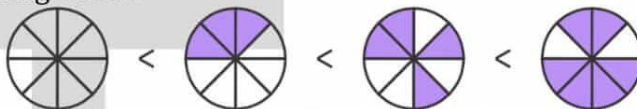


8. Representation:

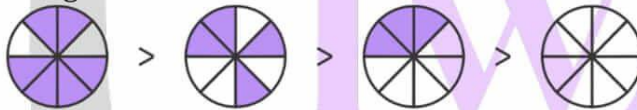


## Section-C

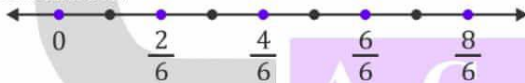
9. Ascending order:



Descending order:



10. Representation:



11. (i)  $\frac{6}{7} > \frac{6}{11}$  because if the numerator is the same, then the fraction with smaller denominator is greater.

(ii)  $\frac{3}{7} < \frac{5}{7}$  because  $3 < 5$  and the denominator is the same.

(iii)  $\frac{2}{3} = \frac{8}{12}$

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## Section - D

12. i)  $36 < 56$  because  $3 < 5$  and the denominator is the same.  
ii)  $45 > 05$  because  $4 > 0$  and the denominator is the same.  
iii)  $320 < 420$  because  $3 < 4$  and the denominator is the same.  
iv)  $17 < 14$  because  $7 > 4$ ; if the numerator is the same, then the fraction that has smaller denominator is greater.

13.

- (i)  $1/6$   
(ii)  $1/5$   
(iii)  $4/25$   
(iv)  $4/25$   
(v)  $1/6$



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