

Mathematics

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(Chapter - 7) (Fractions) (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. Fraction of 50 paise and ₹1 is:

- (A) $\frac{1}{2}$ (B) $\frac{1}{3}$ (C) $\frac{1}{4}$ (D) None of these

2. Raju scored 9 marks in Maths test. If the maximum marks of the test is 25, how is Raju's score represented as a fraction?

- (A) $\frac{1}{25}$ (B) $\frac{16}{25}$ (C) $\frac{9}{25}$ (D) $\frac{25}{25}$

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

- (A) $\frac{1}{3}$ (B) $\frac{1}{2}$ (C) $\frac{1}{4}$ (D) None of these

4. $12\frac{3}{5} - 8\frac{2}{5}$ is equal to:

- (A) $4\frac{1}{5}$ (B) $5\frac{1}{5}$ (C) $6\frac{1}{5}$ (D) $7\frac{1}{5}$

5. When one year is divided by 3 months the result is:

- (A) 3 (B) 4 (C) 5 (D) none of these

Section - B

6. Write each of the following divisions as fraction: (i) $125 \div 50$ (ii) $55 \div 11$

7. Write each of the following fractions as divisions: (i) $\frac{9}{7}$ (ii) $\frac{3}{11}$

8. Convert each of the following into a mixed fraction: (i) $\frac{28}{9}$ (ii) $\frac{226}{15}$

Section - C

9. Solve: (i) $\frac{5}{12} + \frac{1}{12}$ (ii) $\frac{3}{15} + \frac{7}{15}$ (iii) $\frac{3}{22} + \frac{7}{22}$

10. Shikha painted $\frac{1}{5}$ of the wall space in her room. Her brother Ravish helped and painted $\frac{3}{5}$ of the wall space. How much did they paint together? How much of the room is left unpainted?

11. Ramesh bought $2\frac{1}{2}$ kg sugar whereas Rohit bought $3\frac{1}{2}$ kg of sugar. Find the total amount of sugar bought by both of them.

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Section - D

12. Find answers to the following. Write and indicate how you solved them.

- i) Is $5/9$ equal to $4/5$?
- ii) Is $9/16$ equal to $5/9$?
- iii) Is $4/5$ equal to $16/20$?
- iv) Is $1/15$ equal to $4/30$?

13. Solve:

$$(i) \frac{7}{10} - \frac{*}{*} = \frac{3}{10}$$

$$(ii) \frac{*}{*} - \frac{3}{21} = \frac{5}{21}$$

$$(iii) \frac{*}{*} - \frac{3}{6} = \frac{3}{6}$$

$$(iv) \frac{*}{*} - \frac{5}{27} = \frac{12}{27}$$



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Answers

Section - A

1. $\frac{1}{2}$
2. $\frac{9}{25}$
3. $\frac{1}{3}$
4. $4\frac{1}{5}$
5. 4

Section - B

6. $125/50$
7. $9 \div 7$
8. (i) $3\frac{1}{9}$
(ii) $15\frac{1}{15}$

Section-C

9. (i) $3/5$
(ii) $4/3$
(iii) $5/11$

10. Shikha painted $1/5$ of the wall space in her room
Ravish painted $3/5$ of the wall space
Wall space painted by both of them together = $4/5$
Unpainted part of the room = $1/5$

11. Quantity of sugar bought by Ramesh = $5/2$ kg
Quantity of sugar bought by Rohit = $7/2$ kg
Total amount of sugar bought by them:
Quantity of sugar bought by Rohit + Quantity of sugar bought by Ramesh = 6 kg
(Dividing numerator and denominator by their HCF (6))

Section - D

12. (i) No, $5 \times 5 \neq 9 \times 4$
(ii) No, $9 \times 9 \neq 16 \times 5$
(iii) Yes, $4 \times 20 = 16 \times 5$
(iv) No, $1 \times 30 = 15 \times 4$
13. (i) $2/5$
(ii) $2/21$
(iii) $6/6 = 1$
(iv) $17/27$