BK BIRLA CENTRE FOR EDUCATION

SARALA BIRLA GROUP OF SCHOOLS
SENIOR SECONDARY CO-ED DAY CUM BOYS' RESIDENTIAL SCHOOL
POST MID-TERM (2024-25)
MATHEMATICS (041) ANSWER KEYS

BK BIRLA CENTRE
FOR EDUCATION
(Sarala Birla Group of Schools)

INDIAN PUBLIC SCHOOLS'
CONFERENCE

Class   : IV
Date   :06.01.2025
Admission No.:

Duration: 1 Hrs.
Max. Marks: 25
Roll No.:

General Instructions:
Questions 1 to 5 are 1 mark each.
Questions 6 to 9 are of 2 marks each.
Questions 10 and 13 are of 3 marks each.

SECTION-A $(5 \times 1 = 5)$

Choose the correct answer. (1 mark for each correct answer)

1) Which of the following is unit fraction?

   a) $\frac{3}{1}$ **b) $\frac{1}{7}$**   c) $\frac{12}{13}$ d) None of these

2) $\frac{72}{11}$ ( ) $\frac{27}{11}$

   a) =   **b) $>$**   c) $<$ d) None of these

3) Which of the following is mixed fraction?
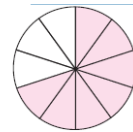
   a) $\frac{2}{5}$ **b) $1\frac{3}{4}$**   c) $\frac{1}{7}$ d) $\frac{13}{31}$

4) Which of the following is proper fraction?

   a) $\frac{3}{5}$ b) $\frac{5}{2}$ c) $4\frac{2}{5}$ d) None of these

5) Which fraction can be used to represent the adjoining figure?

   a) $\frac{3}{10}$ **b) $\frac{7}{10}$**   c) $\frac{9}{10}$ d) None of these

SECTION- B $(4 \times 2 = 8)$

6) Write the next four equivalent fractions of $\frac{4}{7}$

   Equivalent fractions of 4/7 are = 8/14, 12/21, 16/28, 20/35 and 24/42. _____(1)

7) Express $\frac{15}{21}$ in the lowest form.

   15 ÷ 3/21 ÷ 3 _____(1)
   Therefore, 15/21 simplified to lowest terms is 5/7. _____(1)

8) Solve the fraction $\frac{4}{5} of$ 30
   4/5 × 30 = 24 _____(2)

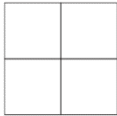9) A pizza was cut into 4 slices. One part was eaten by Jim and the rest was eaten by his mom.

a) $\frac{1}{4}$ fraction of pizza was eaten by Jim. _____(1)

b) $\frac{3}{4}$ fraction of pizza was eaten by his mom. _____(1)

OR

Shade the figures according to the fractions given:

a) $\frac{3}{4}$ _____(1)

b) $\frac{1}{3}$ _____(1)

SECTION- C   (4 × 3 = 12)

10) Write the following fractions in ascending and descending order:

$\frac{7}{16}, \frac{3}{16}, \frac{15}{16}, \frac{13}{16}$

Ascending order: 3/16, 7/16 , 13/16 , 15/16 _____($1\frac{1}{2}$)

Descending order: 15/16 , 13/16 , 7/16 , 3/16 _____($1\frac{1}{2}$)

11) Solve the following:

a) $\frac{9}{13} + \frac{7}{13} + \frac{4}{13} = \frac{9+7+4}{13}$

$= \frac{20}{13}$ _____($1\frac{1}{2}$)

b) $\frac{11}{5} - \frac{6}{5} = \frac{11-6}{5} = \frac{5}{5} = 1$ _____($1\frac{1}{2}$)

12) Complete the equivalent fractions. (1 mark for each correct answer)

a) $\frac{5}{10} = \frac{35}{70}$ b) $\frac{2}{9} = \frac{8}{36}$ c) $\frac{4}{5} = \frac{20}{25}$

13)   Total balls = 15

Yellow balls = 10

Rest blue balls = 15-10 =5 _____(1)

Fraction of blue balls = 5/15 _____(1)

= 1/3 _____(1)

OR

There is $\frac{7}{10}$ of a pizza in one box and $\frac{3}{10}$ of a pizza in another box. How much more is there in the first box compared to the second box?

Amount of pizza in the first box: 7/10

Amount of pizza in the second box: 3/10

difference between the two amounts: = 7/10 - 3/10 _____(1)

compared to the second box in the first = 4/10 more   _____(1)

= 2/5   _____(1)

*****************************The End ********************************