B.K. BIRLA CENTRE FOR EDUCATION

SARALA BIRLA GROUP OF SCHOOLS
A CBSE DAY-CUM-BOYS' RESIDENTIAL SCHOOL

POST-MID TERM- (2025-26)
MATHEMATICS (041) ANSWER KEYS

Class: IV | **Time: 1hr**
Date: 07.01.2026 | **Max Marks: 25**
Admission no: | **Roll no:**

General Instructions:

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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) The sun rises in the east.

a) pm **b) am** c) noon d) Mid-night

2) How many days are there in a leap year?

a) 360 b) 364 **c) 366** d) 350

3) If the time is 3:30, how do we read it?

a) Quarter to three **b) Half past three** c) Quarter past three d) None of these

4) If a pizza is cut into 4 equal parts, what fraction is one piece?

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

5) Which of the following is proper fraction?

a) $\frac{5}{7}$ b) $\frac{7}{5}$ c) $1\frac{2}{5}$ d) None of these

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

6) Convert 3 hours 25 minutes to minutes.

- **1 hour = 60 minutes**
- **3 hours = 3×60 =180 minutes** _____ **(1)**
- **Add the extra 25 minutes:**

3 hours 25 minutes =180+25=205 _____ **(1)**

7) Write the first four equivalent fractions of $\frac{5}{7}$ using multiplication.

Equivalent

$\frac{10}{14}, \frac{15}{21}, \frac{20}{28}, \frac{25}{35}$ _____ **(2)**

8) A music show started at 6:05 p.m. and went on till 10:15 p.m. Find the time duration of the show.

10:15

- 6:05 _____ **(1)**

Subtract minutes:

15 − 5 = 10 minutes

Subtract hours:

10 − 6 = 4 hours

Answer: 4 hours 10 minutes _____ **(1)**

9) Arrange the following fractions in ascending and descending order.

$\frac{5}{12}, \frac{3}{12}, \frac{7}{12}, \frac{2}{12}, \frac{11}{12}, \frac{9}{12}$

Ascending order (smallest to largest):

$\frac{2}{12} < \frac{3}{12} < \frac{5}{12} < \frac{7}{12} < \frac{9}{12} < \frac{11}{12}$ _____ **(1)**

Descending order (largest to smallest):

$\frac{11}{12} > \frac{9}{12} > \frac{7}{12} > \frac{5}{12} > \frac{3}{12} > \frac{2}{12}$ _____ **(1)**

SECTION- C $(4 \times 3 = 12)$

10) Add: 1 hour 17 minutes 32 seconds and 5 hours 31 minutes 45 seconds

1 hr 17 min 32 s

+ 5 hr 31 min 45 s

Add seconds

32 s + 45 s = 77 s

77 s = 1 min 17 s
Write 17 s, carry 1 min ___ ---------- (1)
Add minutes 17 min + 31 min + 1 min (carry) = 49 min _____ (1)

1 hr 17 min 32 s
+ 5 hr 31 min 45 s
----
6 hr 49 min 17 s

Answer: 6 hours 49 minutes 17 seconds _____ (1)

11) Sonu and Monu are making paper flowers. Sonu used $\frac{7}{10}$ m of paper and Monu used $\frac{3}{10}$ m of paper. Who used more paper and by how much?

Sonu used $\frac{7}{10}$m of paper
Monu used $\frac{3}{10}$ m of paper
Since $\frac{7}{10} > \frac{3}{10}$, Sonu used more paper. _____ (1)

$$\frac{7}{10} - \frac{3}{10} = \frac{7-3}{10}$$ **_____ (1)**

$$= \frac{4}{10}\text{ m}$$ **_____ (1)**

12) Convert the following into days: 2 years 3 weeks

If we assume a standard year = 365 days:
2 years = 2 × 365 = 730 days _____ (1)
3 weeks = 3 × 7 = 21 days _____ (1)
Total = 730 + 21 = 751 days _____ (1)
So, 2 years 3 weeks = 751 days.

13) Convert the following fractions as per directed.

a) $\frac{17}{5}$ (mixed fractions)

Divide 17 by 5:
17÷5=3 remainder 2

So, $\frac{17}{5} = 2\frac{3}{5}$ **_____ ($1\frac{1}{2}$)**

b) $3\frac{2}{11}$ (Improper fractions)

$$\frac{(3\times11)+2}{11} = \frac{33+2}{11} = \frac{35}{11}$$ **_____ ($1\frac{1}{2}$)**

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