



B.K. BIRLA CENTRE FOR EDUCATION

SARALA BIRLA GROUP OF SCHOOLS
A CBSE DAY-CUM-BOYS' RESIDENTIAL SCHOOL
ANNUAL EXAMINATION (2025-26)
MATHEMATICS (041) MARKING SCHEME SET-A

Class: IV
Date: 16.03.2026
Admission no:

Time: 1 ½ hr
Max Marks: 40
Roll no:

General Instructions:

1. This Question Paper has 4 Sections A-D.
2. Section A has 10 MCQs carrying 1 mark each
3. Section B has 4 questions carrying 02 marks each.
4. Section C has 4 questions carrying 03 marks each.
5. Section D has 2 questions carrying 05 marks each.

SECTION-A

(10 × 1 = 10)

Choose the correct answer.

- 1) How many days are there in February (non-leap year)?
(a) 30 (b) **28** (c) 29 (d) none of these.
- 2) How many minutes are there in 1 hour?
(a) 30 (b) 45 (c) **60** (d) 90
- 3) Which is a multiple of 6?
(a) 14 (b) **18** (c) 20 (d) 22
- 4) Which fraction shows one-half?
(a) $\frac{1}{3}$ (b) $\frac{1}{4}$ (c) $\frac{1}{2}$ (d) $\frac{2}{1}$
- 5) Which number is neither prime nor composite?
(a) 2 (b) 3 (c) **1** (d) 4
- 6) Which is the smallest unit of length?
(a) Meter (b) Kilometre (c) Centimetre (d) **Millimetre**
- 7) Data collected using pictures is called:
(a) Tally marks (b) Bar graph (c) **Pictograph** (d) none of these

8) Which of these is NOT money?

- (a) Coin (b) Note (c) Rupee (d) **Cardboard**

9) Unit of perimeter can be _____

- (a) Sq. m (b) sq cm (c) **m** (d) none of these

10) A pair of like fractions is

- (a) $\frac{3}{4}, \frac{3}{5}$ (b) $\frac{5}{7}, \frac{16}{7}$ (c) $\frac{8}{9}, \frac{9}{8}$ (d) none of these

SECTION- B

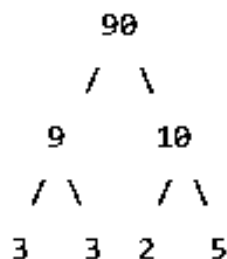
(4 × 2 = 8)

11) Solve the following fractions.

a) $\frac{15}{12} - \frac{9}{12} = \frac{15-9}{12} = \frac{6}{12}$ _____ (1)

b) $\frac{7}{9} + \frac{11}{9} = \frac{7+11}{9} = \frac{18}{9}$ _____ (1)

12) Write the prime factorisation of the following numbers by factor tree method.



_____ (1)

So, 90 = 2 × 3 × 3 × 5 _____ (1)

OR

Write the first 10 multiples of 6 and 9. Circle the common multiples

First 10 multiples of 6: 6, 12, 18, 24, 30, 36, 42, 48, 54, 60 _____ (½)

First 10 multiples of 9: 9, 18, 27, 36, 45, 54, 63, 72, 81, 90 _____ (½)

Common multiples : 18 ,36 ,54 _____ (1)

13) Convert into minutes:- 2 hours 12 minutes

2 hours = 120 minutes _____ (1)

120 minutes + 12 minutes = 132 minutes _____ (1)

14) Convert the following as per directed:

a) 6519 p (into rupees) = $6519 \div 100 = \text{Rs } 65.19$ _____ (1)

b) Rs 82.32 (into paise) = $82.32 \times 100 = 8232 \text{ paise}$ _____ (1)

SECTION –C

(4 × 3 = 12)

15) If 8 notebooks cost ₹120, find the cost of 15 notebooks.

Cost of 8 notebooks = ₹120 _____ (1)

Cost of 1 notebook = $120 \div 8 = ₹15$ _____ (1)

Cost of 15 notebooks = $15 \times 15 = ₹225$ _____ (1)

OR

Multiply: ₹ 134.75 by 7

₹134.75 × 7

= (134 × 7) + (0.75 × 7)

= 938 + 5.25 _____ (1)

= ₹943.25 _____ (2)

16) Add: 4 minutes 45 seconds + 9 minutes 35 seconds.

4 minutes 45 seconds

+ 9 minutes 35 seconds

Seconds: $45 + 35 = 80$ seconds _____ (1)

80 seconds = 1 minute 20 seconds _____ (1)

Minutes: $4 + 9 = 13$ minutes

Add the carried 1 minute → $13 + 1 = 14$ minutes _____ (1)

17) Tarun cycled 3 km 750 m on Monday and 4 km 850 m on Tuesday. How much distance did he cycle altogether on these two days?

Monday: 3 km 750 m

Tuesday: 4 km 850 m

Add metres:

750 m + 850 m = 1600 m _____ (1)

1600 m = 1 km 600 m

$$3 \text{ km} + 4 \text{ km} = 7 \text{ km}$$

$$\text{Add the carried 1 km} \rightarrow 7 + 1 = 8 \text{ km} \text{ ______ (1)}$$

$$\text{Total distance cycled} = 8 \text{ km } 600 \text{ m} \text{ ______ (1)}$$

OR

Convert the following as per directed:

a) 18 km into m

$$1 \text{ km} = 1000 \text{ m}$$

$$18 \times 1000 = 18,000 \text{ m} \text{ ______ (1)}$$

b) 24 kg into dag

$$1 \text{ kg} = 100 \text{ dag}$$

$$24 \times 100 = 2400 \text{ dag} \text{ ______ (1)}$$

c) 6005 mL into L

$$1 \text{ L} = 1000 \text{ mL}$$

$$6005 \div 1000 = 6.005 \text{ L} \text{ ______ (1)}$$

18) Observe the given bar graph and answer the given questions.

a) Who scored the maximum number of goals?

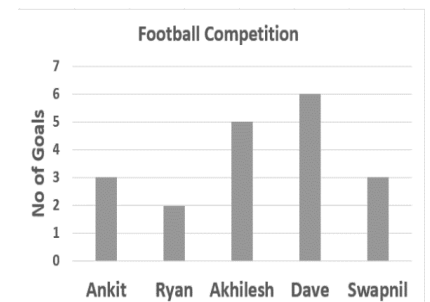
Dave scored the maximum number of goals ---(1)

b) Who scored the minimum number of goals?

Ryan scored the minimum number of goals ---(1)

c) Who has scored equal number of goals?

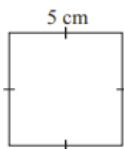
Ankit & Swapnil scored equal number of goals ---(1)



SECTION -D

(5 × 2 = 10)

19) Calculate the perimeter of the following figures, whose perimeters greater.



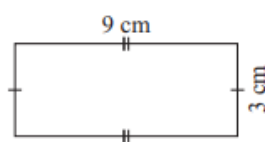
(a) Side = 5 cm

$$\text{Perimeter of square} = 4 \times \text{side} \text{ ______ (1)}$$

$$= 4 \times 5 = 20 \text{ cm} \text{ ______ (1)}$$

(b) Length = 9 cm

Breadth = 3 cm



$$\text{Perimeter of rectangle} = 2 \times (\text{length} + \text{breadth}) \quad \underline{\hspace{2cm}} \quad (1)$$

$$= 2 \times (9 + 3)$$

$$= 2 \times 12 = 24 \text{ cm} \quad \underline{\hspace{2cm}} \quad (1)$$

The perimeter of the rectangle is greater. (1)

20) Find the LCM of 4 and 8 by listing the common multiples.

Multiples of 4:-4, 8, 12, 16, 20, ... (1)

Multiples of 8:-8, 16, 24, ... (1)

Common multiples:8, 16, ... (1)

The smallest common multiple is 8. (1)

LCM of 4 and 8 = 8 (1)

OR

Apply the test of divisibility and complete the table by writing YES or NO in each box. (Each correct answer 1 mark)

Numbers	2	3	5	10
315	NO	YES	YES	NO
520	YES	NO	YES	YES

*****THE END*****