BK BIRLA CENTRE FOR EDUCATION

SARALA BIRLA GROUP OF SCHOOLS
SENIOR SECONDARY CO-ED DAY CUM BOYS' RESIDENTIAL SCHOOL
ANNUAL EXAMINATION 2024-25
MATHEMATICS (041)

Class : IV   Duration: 1½ Hrs
Date : 12.03.2025   Max. Marks: 40
Admission No.:   Roll No.:

General Instructions:

Questions 1 to 10 are 1 mark each.
Questions 11 to 14 are of 2 marks each.
Questions 15 to 18 are of 3 marks each.
Questions 19 to 20 are of 5 marks each.

SECTION –A

Choose the correct answer. $(10 \times 1 = 10)$

1) Which of the following is mixed fraction?

   a) $\frac{1}{7}$ b) $\frac{3}{7}$ c) $3\frac{2}{5}$ d) $\frac{7}{5}$

2) The number with unit digit 0 ,2,4,6 or 8 is divisible by.

   a) 2   b) 3   c) 4   d) 5

3) Unit of area is

   a) Cu.cm   b) sq.cm   c) cm   d) None of these

4) The longer hand in the clock is called?

   a) Hour   b) Second   c) Minute   d) None of these

5) There are _____ days in a leap year.

   a) 364   b) 365   c) 366   d) None of these

6) Which is the best unit to measure the length of a pencil?

   a) Km   b) m   c) cm   d) None of these.

7) Rs 45.50 when converted into paise is equal to

   a) 455.0 P   b) 0.4550 P   c) 4.550 P   d) 4550 P

8) Which list shows the factors of 16

    a) 1, 2, 3, 4,   b) 1, 2, 4, 8, 16   c) 16, 32, 48, 64 d) None of these

9) $\frac{8}{5} + \frac{3}{5}$ ( ) $\frac{13}{5} - \frac{2}{5}$

    a) $>$ b) $<$ c) $=$ d) none of these
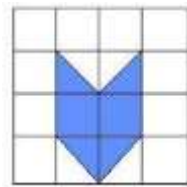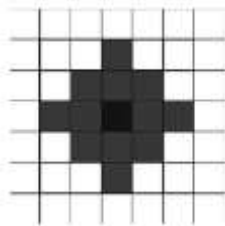
10)   How many lines of symmetry does the butterfly have?

    a) 1   b) 2   c) 4   d) None of these.

SECTION –B

$(4 \times 2 = 8)$

11)   Find the areas of the following figures by counting square: (■ =1 square cm)

12)   Write the next four equivalent fractions of 5/9

$$\frac{5}{9} = \frac{10}{18} = \frac{15}{27} = \text{--------, --------,--------,--------}$$

OR

    Express 25/40 in the lowest form.

13)   In the following figures, the mirror line is given as a dotted line. Complete each figure performing reflection in the dotted line. Write the name of the figure you complete.

       (a)   (b)

OR

Write the next four numbers according to given pattern:

(a) 100, 95, 90, 85, ____, ____,____,____

(b) 23 , 26 ,29 , 32 , ____ , ____ , ____ , ____

14) Convert 2hours 45 minutes into minutes.

SECTION –C $(4 \times 3 = 12)$

Solve.

15) Tarun cycled 3 km 750 m on Monday and 4 km 850 m on Tuesday how much distance did he cycled altogether on these two days?

OR

Express following as instructed:

(a) 3785 cm (in meter)

(b) 8 kg   (in gram)

(c) 7 KL 600 L   (in liter)

16) If 7 books cost Rs 217, what is the cost of 12 book?

17) Find the HCF of 15 and 18.

OR

Find the LCM of 6 and 8 by common multiples.

18) Find the perimeter of rectangles with the given dimensions.

Length = 12 cm, Breadth = 8 cm

SECTION –D $(2 \times 5 = 10)$

19) Ritu's science tuition class begins at 4:20 p.m. and finishes at 5:35 p.m. She then goes for Guitar class at 5:45 p.m. and leaves at 7:15 p.m. Find out the duration of her
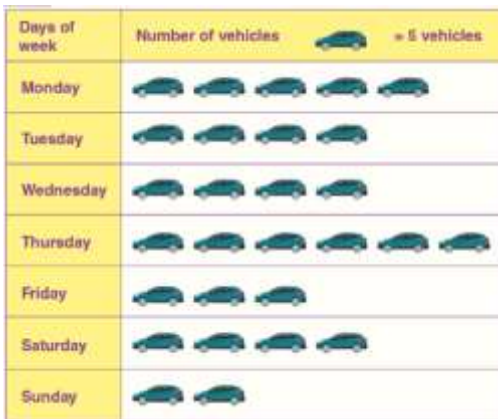
a) Science tuition class

b) Guitar tuition class

OR

Convert the following into months

   i) 2 years 4 months

   ii) 5 leap years 6 months

20)   The below pictograph shows the data on the number of vehicles parked in a parking lot throughout the week.

Answer the following questions:

   a) On which day was the maximum number of vehicles parked?

   b) On which day was the minimum number of vehicles parked?

   c) On which days the same number of vehicles were parked?

   d) How many total vehicles were parked throughout the week?

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