



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)

Class : V

Max. Marks: 25

Date : 07-01-25

Duration: 1 Hr.

A. Fill in the blanks

1 x 5 = 5 M

1. The symbol for per cent is _____ % _____.
2. Data can be organised in tabular form using tally marks.
3. The percentage of $\frac{38}{100}$ is 38 %.
4. 55 % can be written as $\frac{55}{100}$ in fraction.
5. The percentage is half litre of a milk is 50%.

B. Do as directed

2 x 4 = 8 M

6. Express the following percentage as decimals.

<p>a. 20 %</p> $= \frac{20}{100}$ $= 0.20$	<p>b. 50 %</p> $= \frac{50}{100}$ $= 0.50$
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7. What is 25 % of 50 km?

$$\frac{25}{100} \times 50$$

$$\frac{25 \times 50}{100} = 12.5$$

8. Convert the following into percentages.

<p>a. 0.76</p> $= \frac{76}{100}$ $= 76 \%$	<p>b. 0.005</p> $= \frac{000.5}{100}$ $= 0.5 \%$
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9. A dice was thrown 30 times and the following outcomes were noted:

2 5 5 6 3 3 5 4 4 4
 3 2 6 2 3 1 3 2 4 6
 2 4 1 6 6 6 3 4 5 1

Represent the above data in the form of a frequency distribution table.

Numbers	Tally marks	Total
1	III	3
2	III	5
3	III I	6
4	III I	6
5	III	4
6	III I	6
Grand total		30

C. Solve the following

3 x 4 = 12 M

10. In a village of population 1600, 45% people were males. How many females were there in the village?

Population of the village = 1600

Number of males in % = 45%

Number of females = ?

$$\begin{aligned} \text{Number of males in number} &= \frac{45}{100} \times 1600 \\ &= 45 \times 16 = 720 \end{aligned}$$

$$\begin{aligned} \text{Number of females} &= 1600 - 720 \\ &= 880 \end{aligned}$$

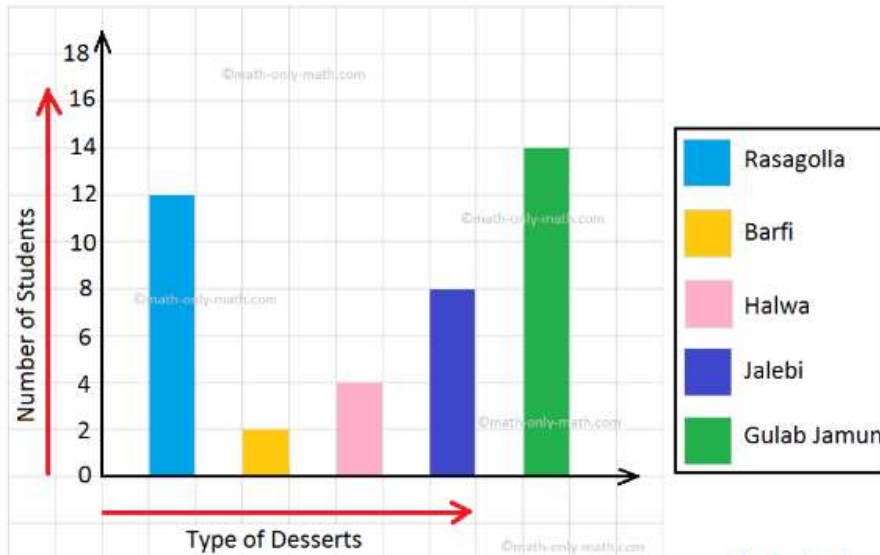
11. Express the following fractions as percentages.

$$\begin{aligned} \text{a. } 2\frac{3}{5} \\ = \frac{13}{5} \end{aligned}$$

$$\begin{aligned} \text{b. } 5\frac{1}{2} \\ = \frac{11}{2} \end{aligned}$$

$$\begin{array}{l}
 = \frac{13}{5} \times 100 \\
 = 13 \times 20 \\
 = 260
 \end{array}
 \quad \Bigg| \quad
 \begin{array}{l}
 = \frac{11}{2} \times 100 \\
 = 11 \times 50 \\
 = 550
 \end{array}$$

12. Ms. Thomas asked each of her students about their favourite dessert. Based on their responses, she drew the bar graph.



Answers the following questions.

- (i) Which is the favourite dessert and how many students made that choice? - **Gulab Jamun and 14 students make that choice**
- (ii) How many students chose rasagolla as their favourite dessert? - **12**
- (iii) What was the least favourite dessert? **Barfi**
- (iv) How many more students selected jalebi than barfi? **$8 - 2 = 6$**
- (v) How many students are in the class? **$12 + 2 + 4 + 8 + 14 = 40$**

13. The table given below shows the number of students playing four different games.

Games	Football	Hockey	Cricket	Badminton
Number of Students	200	150	100	50

Draw a bar graph for the data using a suitable scale.

