

and poster

BCG / SSC-S / s8m11w37-42



**Bombay  
Cambridge  
Gurukul**  
BCG

2021-22 ☒ 2022-23 ☐

2023-24 ☐ 2024-25 ☐

2025-26 ☐

Name: \_\_\_\_\_

Roll No.: \_\_\_\_\_ Div.: \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_ Std.: 8

Topic: **Statistics**

**MATHEMATICS**

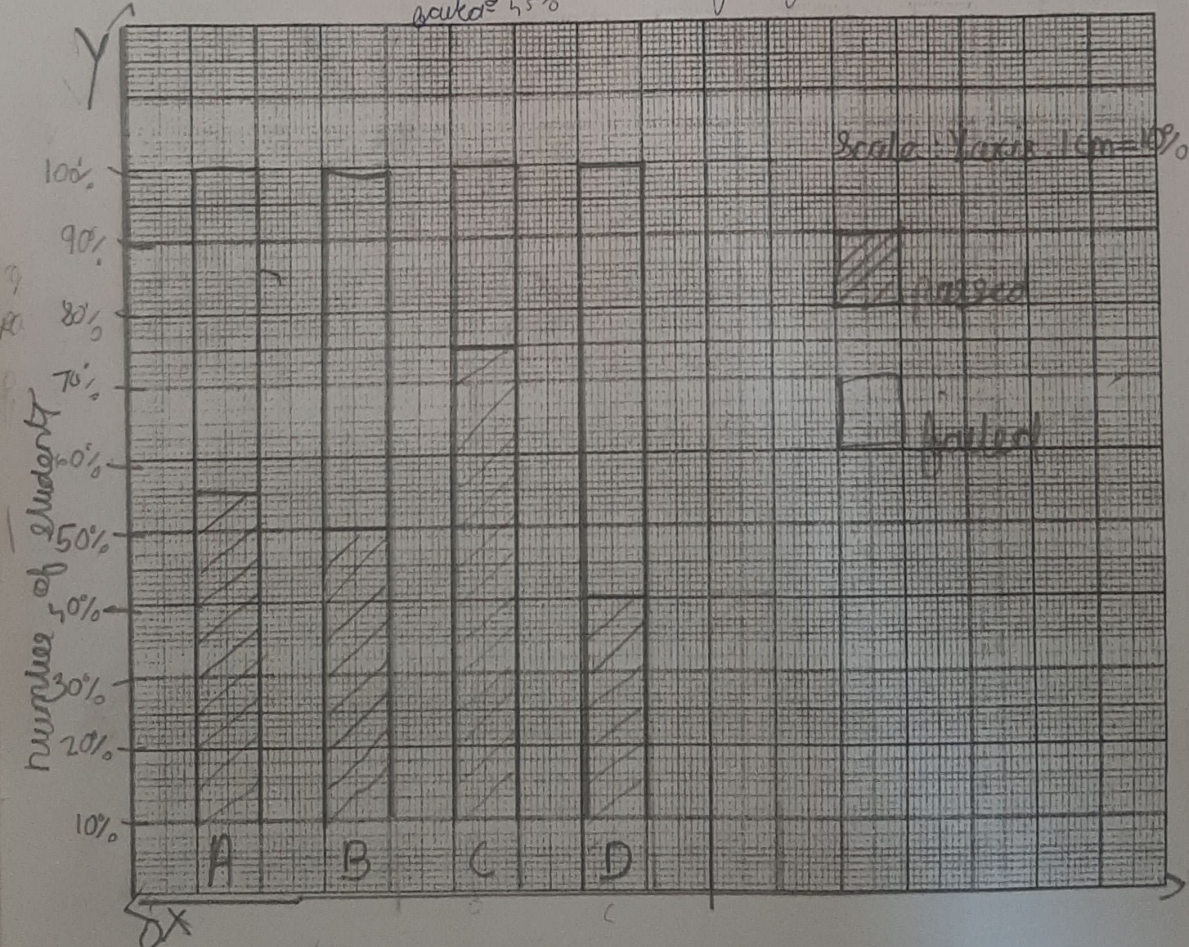
Wkst No.: **41**

2. Show the following information by a percentage bar graph.

Division of standard 5	A	B	C	D
Number of students who passed the exams	33	45	27	22
Total number of students	60	90	36	55
Percentage of students who passed the exams	$\frac{33}{60} \times 100 = 55\%$	$\frac{45}{90} \times 100 = 50\%$	$\frac{27}{36} \times 100 = 75\%$	$\frac{22}{55} \times 100 = 40\%$

Passing = 55%  
Failed = 45%

Passing = 50%  
Failing = 50%





3. The following data is collected in a school where every student of a particular grade have to select either cricket or hockey sport. Draw a percentage bar graph of the data.

Grade	6 <sup>th</sup>	7 <sup>th</sup>	8 <sup>th</sup>	9 <sup>th</sup>
Cricket	45	90	35	24
Hockey	55	30	15	56
Percentage of students who selected cricket	$\frac{45}{100} \times 100 = 45\%$	$\frac{90}{120} \times 100 = 75\%$	$\frac{35}{50} \times 100 = 70\%$	$\frac{24}{80} \times 100 = 30\%$
Percentage of students who selected hockey	$\frac{55}{100} \times 100 = 55\%$	$\frac{30}{120} \times 100 = 25\%$	$\frac{15}{50} \times 100 = 30\%$	$\frac{56}{80} \times 100 = 70\%$

