


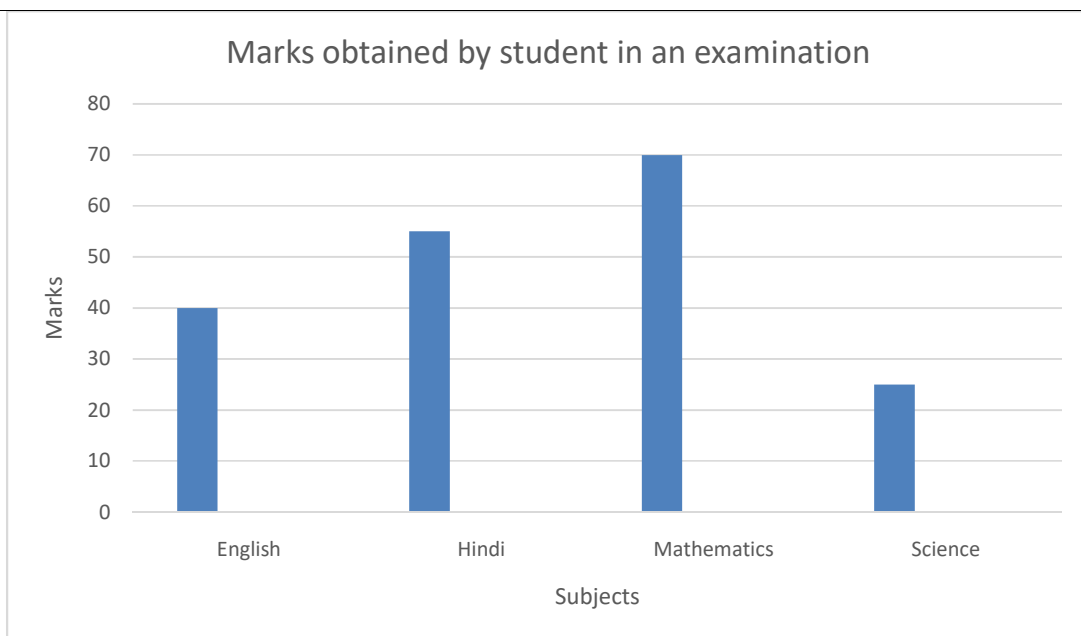
# SAMPLE PAPER

Class - ..VI.....

Subject ..Mathematics.....

Q.1	The predecessor of -100 is _____.	(1)
Q.2	The integer 4 more than (-5) is _____.	(1)
Q.3	$3\frac{5}{7}$ is a _____ fraction.(Name the type)	(1)
Q.4	$\frac{2020}{2020}$ _____ 1 (Insert >,< or = )	(1)
Q.5	Three hundred five and four hundredth = _____.(In decimal form)	(1)
Q.6	Decimal 2.4 written in fraction in lowest terms is _____.	(1)
Q.7	An observation occurring seven times in a data is represented as _____ using tally marks.	(1)
Q.8	Perimeter of a regular pentagon of side 7cm is _____.	(1)
Q.9	The amount of region enclosed by a closed plane figure is called its _____.	(1)
Q.10	Cost of 1kg onions is Rs. 70. Cost of 'p' kg onions will be _____.	(1)
Q.11	The value of the variable in an equation which satisfies the equation is called a _____ of the equation.	(1)
Q.12	Ratio of 50p to Rs. 3 is _____.	(1)
Q.13	Add using number line. $(-4)+7$	(2)
Q.14	What fraction of 2 kg is 400g ?	(2)
Q.15	Add 67.25, 249 and 8.785.	(2)
Q.16	The area of a rectangular garden 5m wide is 150m <sup>2</sup> . Find the length of the garden.	(2)
Q.17	Give two equivalent ratios of 3:8.	(2)
Q.18	Evaluate:- $70 - (-20) + (-5) + 15$	(3)
Q.19	Neha read 120 pages of a book containing 280 pages. Prachi read $\frac{4}{7}$ of the same book. Who read more ?	(3)
Q.20	Nasir travelled $3\frac{1}{2}$ km by bus and then walked $1\frac{1}{8}$ km to reach the town. How much did he travel to reach the town ?	(3)
Q.21	Express as cm using decimals. a) 6mm b) 6cm 8mm c) 154mm	(3)

Q.22	In a class test, the number of students passed in various subjects are given below.	(3)										
	<table border="1"> <thead> <tr> <th>Subject</th> <th>English</th> <th>Hindi</th> <th>Mathematics</th> <th>Drawing</th> </tr> </thead> <tbody> <tr> <td>Number of students passed</td> <td>15</td> <td>25</td> <td>10</td> <td>20</td> </tr> </tbody> </table>		Subject	English	Hindi	Mathematics	Drawing	Number of students passed	15	25	10	20
	Subject		English	Hindi	Mathematics	Drawing						
Number of students passed	15	25	10	20								
Taking the scale  successful students, draw the pictograph.												
Q.23	The number of children in 20 families of a colony are given below: 2,0,2,2,1,3,3,1,0,2,2,3,1,1,1,2,2,3,2,2 Represent the above data in the form of a frequency distribution table.	(3)										
Q.24	A table-top measures 3m50cm by 1m25cm. What is the perimeter of the table top ?	(3)										
Q.25	A room is 15m long and 9m wide. A square carpet of side 8m is laid on its floor. Find the area of the room not carpeted.	(3)										
Q.26	Give expression for the following cases:- a) 15 subtracted from z. b) Y multiplied by 5 and 10 added to it. c) P divided by 7.	(3)										
Q.27	Divide Rs. 300 between Rahul and Sohan in the ratio of the ages. If the age of Rahul is 14 years and that of Sohan is 6 years, then find the share of each.	(3)										
Q.28	Determine if the given ratios form a proportion:- 25g:30g and 40kg:48kg.	(3)										
Q.29	With the same center draw two circles of radii 4cm and 2.5 cm.	(3)										
Q.30	Solve:- a) $\frac{1}{2} + \frac{3}{4} + 1\frac{1}{3}$ b) $2\frac{2}{5} - \frac{5}{10}$	(4)										
Q.31	Anil got Rs. 1000 as pocket money. He spent Rs. 439.50 in playing games and Rs. 246.40 in food. How much did he save ?	(4)										
Q.32	Look at the bar graph given below.	(4)										



Read it carefully and answer the questions given below:

- i) What information does the bar graph give?
- ii) In which subject is the student poorest?
- iii) In which subject is the student best?
- iv) In which subjects did he get more than 40 marks?

Q.33	A marble tile is of length 12cm and width 10cm. How many tiles are needed to cover a rectangular region 440cm long and 300cm wide ?	(4)
Q.34	Pick out the solution from the values given in the bracket next to given equation. Also show that other values do not satisfy the equation. $n - 8 = 8$ (0,16,8,-8)	(4)
Q.35	The cost of 21 pens is Rs. 420. a) Find the number of pens that can be purchased for Rs. 360. b) Find the cost of 15 such pens.	(4)
Q.36	Draw a line segment of length 10cm Using compasses, divide it into four equal parts.	(4)
Q.37	Construct with ruler and compasses, angles of following measures a) $30^\circ$ b) $90^\circ$	(4)