

Department of Mathematics and Statistics
Project done by 2nd year B. Sc Mathematics Students
Report

The Covid – 19 pandemic had affected people all over the world mentally, physically, socially and economically. Students of all age groups were the primary victims for this especially the lower grades. Their IQ and EQ levels drastically subsided as online classes were not as effective as the usual face to face classes. To analyze this situation, 43 2nd year B. Sc Mathematics students sought the help of parents of the students of AMLP Parambil Bazar School.

Objectives:

- To understand whether Covid – 19 pandemic has affected the IQ levels of lower grade students.
- To analyze the percentage affected by the pandemic.
- To develop and improve the thinking and interacting capacities of the both School and College students.

Methodology:-


The 43 students were divided into 3 groups and each group prepared IQ tests for Grade 1, Grade 2 and Grade 3 children of the School. With the help of the school authorities they collected the phone numbers of the parents of these children. They formed 3 different online groups for the 3 grades and circulated the IQ tests in the online group. With the guidance of the parents, the School students answered those questions and on the basis of the marks obtained, our students prepared bar charts and analyzed below average, average and above average students.

Limitations:-

- The Project was restricted to one School.
- Some of the parents might have helped out their wards to answer the IQ tests due to less response from their child.

Outcomes:-

- The Project gave an understanding on how badly the pandemic has affected both college and school students.
- The 2nd year B. Sc Mathematics students had to become more socially committed to do this project.
- It inculcated a thought to help out all the pandemic affected population.


Aiswarya Paul
Assistant Professor
H.O.D of Mathematics
Providence Women's College
Calicut-673009

Minutes of the Department meeting held on 09/07/2021

Agenda

1. Statistics and Population day celebrations
2. Commencement of Certificate course on LaTeX.
3. International Webinar 'Poorv'.
4. R and D Unit project presentation by alumnae.
5. Project for 2nd year UG students
6. Project for 1st year UG students.

1. Statistics and Population day celebrations:-

It was decided to club the National statistics day and World Population day celebrations and conduct a program by the mid of July with an intercollegiate quiz competition on the current SDG which is SDG 2: Zero Hunger.

2. Commencement of Certificate course on LaTeX:-

Taking into account the difficulty faced by the students in typing Maths formulas and symbols using word or excel, we decided to provide Certificate course on LaTeX programming to all the students of the department.

3. International Webinar 'Poorv':-

The department clubbing with the Department of History decided to conduct a webinar with the alumnae of the Maths department as resource person before the end of July.

4. R and D Unit project presentation by alumnae:-

Two best projects of the UG as well as PG 2021 pass outs were selected and they were asked to present it to their juniors so that the present students would have an idea about the making of the project.

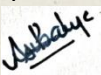
5. Project for 2nd year UG students:-

In the wake of the pandemic all the students started to become inactive. So, to make them socially responsible, the department decided to ask them prepare IQ tests and circulate it to the Grade 1, Grade 2 and Grade 3 students of a nearby school, the AMLP Parambil Bazar School.

6. Project for 1st year UG students:-

After the 2nd year students analyses the IQ levels of the school students, the 1st year students would be sent to the school to guide and teach the below average students and improve their IQ levels

Ms. Aiswarya Paul



Ms. Anupama P.



Dr. Nitha Niralda P. C.



List of Students who participated in the Project

II YEAR MATHEMATICS 2021-22

SI No	Name
1	ADITHYA U V
2	ALEESHA BABY
3	ALEESHA ELIZABETH RAJU
4	ALISHA ANIL
5	AMIYA K B
6	AMRUTHA N
7	ANITTA PETER
8	ANJALA MARIYAM
9	ANJANA P
10	ANJUSHA K K
11	ANKITA E
12	ARDRA P K
13	ARYA K
14	ATHIRA E SAJI
15	AYSHA SIMRAN K V
16	CHAITHRA S
17	FATHIMA NADA
18	FATHIMATHUL FARSINA K
19	GAYATHRI R V
20	HARIPRIYA K
21	HAZINA H MANIKFAN
22	HENAN BASIYA C P
23	HRIDYA T
24	JAITHRI P SUNIL
25	JHANVI JAMES
26	KAVYA R
27	MANGALA BABU P
28	MARIYAM SHAHIN T K
29	MAYA MADHUSUDHANAN
30	MEENAKSHI R
31	MEGHA P
32	MERIN ROSE
33	NAFEESATHUL FAJIYA
34	NAHANA T
35	NANDANA P K
36	RAINA RASHI K K
37	RASHIDA K P
38	RENJANA P
39	SHERIN NAVAS V
40	SNEHA SUNIL
41	SONAL PREETH

42	UPASANA S D
43	ZIA AHAMMED P P

Aiswarya
Aiswarya Paul
Assistant Professor
H.O.D of Mathematics
Providence Women's College
Calicut-673009

Grade 1 students(AMLP School)

Sl. No.	Name of the student	Marks out of 10
1	ALI HAIDHAR K T	10
2	ANAICA V K	2
3	ANEK RAJ V M	5
4	AYISHA HIZA	7
5	AYISHA MARWA N P	8
6	AYSHA ZALLA	3
7	DHYAN KRISHNA	4
8	FATHIMA AZHA P P	9
9	FATHIMA FAYAHA C K	10
10	FATHIMA NIDHA K	3
11	FATHIMA NOORA T B	6
12	FATHIMA NUHA P T	8
13	FATHIMA SANA V K	4
14	FIZA FATHIMA M	2
15	HIMA A	1
16	LAASIKA SHIJU	6
17	LARAIB IQBAL SHAIKH	8
18	MEZBAN FAISAL K C	9
19	MUHAMMAD ANSHAD A C	4
20	MUHAMMED BILAL K P	5
21	MUHAMMED FISAN T P	7
22	MUHAMMED IRFAN A K	3
23	MUHAMMED NAFIS P V	6
24	MUHAMMED YAFEE RAHMAN K	8
25	MUHAMMED ZAIN V	3
26	NADA MEHRIN	2
27	RAISHA RAYYA P	6
28	RAYAN AYHAM T	9
29	SHIVADHA M	4
30	SREEPAD S	3
31	VASUDEV A	5
32	YAJAT S	5
33	ADAM P P	6
34	AJMAL T P	7
35	ALTHAF MUHAMMED K M	8
36	AMAYA P T	4
37	AMEESH E V	3

38	ARADHYA A	2
39	AYSHA SANA P P	3
40	DAKSHAKASI C M	4
41	FATHIMA NOORA	5
42	FATHIMA SANA A C	7
43	ISHANA K	8
44	MEHADIN WAFID P P	9
45	MUHAMMAD SHABAS M P	10
46	MUHAMMED IDREES E	10
47	NIRANJANA K	2
48	NYSHA V P	3
49	PRANAV RANJITH	5
50	VEDIK VIJAY P	6
51	VIDHU KRISHNAN V	9
52	AADI DEV K M	3
53	AISHA MARWA	8
54	AJONSHIVA K	5
55	ALANKRISHNA K P	6
56	ARFAS HADI M	8
57	AYSHA RISAL K	10
58	DEVADATH K	2
59	DHYAN P P	9
60	DIYA MEHRIN P M	6
61	FATHIMA LIYANA	9
62	FATHIMA SHADA M T	4
63	FILZA FATHIMA V	3
64	ISHAN AHAMMED V P	8
65	LAKSHMIKA KRISHNA T	5
66	MIFSAL MUHAMMED HASSAN P	8
67	MOHAMMAD RAFAL RASHEED	6
68	MOHAMMAD RAIHAN	9
69	MUHAMMAD RIHAN K T	10
70	MUHAMMED IHSHAN P P	10
71	MUHAMMED SAFWAN	10
72	MUHAMMED SHEREEF K	2
73	NASHWA M P	3
74	RIYAN FELIX	5
75	ZANHA M P	6

Grade 2 Students(AMLP School)

Sl. No.	Name of the Student	Marks out of 10
1	AADI RAYAN A S	2
2	AARYAN T P	3
3	ADIDEV V A	5
4	AMAN MUHAMMED C K	7
5	ANHA FATHIMA A C	4
6	ANULAKSHMI K T	7
7	ARADHYA S R	5
8	AYISHA SANHA A C	4
9	HAYA MEHRIN A P	7
10	IZAAN MUHAMMED	10
11	MUHAMMAD HABEEB C T	2
12	MUHAMMED ALDIN MISHAB N	2
13	MUHAMMED FARHAN M	10
14	MUHAMMED HADIH K	4
15	MUHAMMED NAISAM P V	4
16	MUHAMMED RAYAN M K	3
17	MUHAMMED RAZI RASHEED P K	6
18	NAFA SHERIN N V	3
19	NAJIYA SHIRIN P K	9
20	NAZAL MUHAMMAD V	8
21	NOURIN JANNA	7
22	SANGHAVI SHIJU	9
23	SOORYA DEV E	10
24	SRIYA LAKSHMI T N	4
25	ABIN LEO ANDROWS	6
26	AMINA RIYA P V	3
27	ANUSHIMA	5
28	FATHIMA RINSHA K P	3
29	FATHIMA THANSEEHA A C	9
30	FATHIMA ZIYA K	7
31	MUHAMMED ASHID E K	6

32	MUHAMMED HANAN N K	9
33	MUHAMMED JAWHAR P P	7
34	MUHAMMED RASHAD A P	9
35	MUNNA T K	6
36	RIYA KADEEJA V P	7
37	AALIYAH MARIYAM N P	3
38	AISHA NASHWA	2
39	AJWAD LEZIN ALI K	4
40	ALHAN ASEES M P	6
41	AMARNAD T	4
42	ARADHYA S	8
43	DEEKSHITH P M	4
44	DEVANANDANA M	9
45	FATHIMA SHAIKA V P	10
46	FILZA MEHAREEN K P	3
47	HAYA MEHAK C P	10
48	HAZLIN M	6
49	KARTHIK K	3
50	MEHANZA PARVEEN K P	10
51	MUHAMMAD RAYYAN E K	7
52	MUHAMMED AMAN A P	8
53	MUHAMMED RABEEH V K	9
54	MUHAMMED REMIN V K	5
55	MUHAMMED ROSHAN A N	3
56	MUHAMMED ZAYAN C V	10
57	NAFLA MEHBIN N P	2
58	NAZIH RAIHAN K	4
59	SREERAG P	8
60	VAIGA K	7
61	VEDHIK M S	10

Grade 3 (AMLP School)

Sl.NO	Name of the Student	Marks out of 10
1	NIVED M	9
2	AKHIL NAND M K	10
3	AMINA JAZAH P T	7
4	AMINA RINSHA P V	8
5	ANAY KRISHNA P	10
6	ARJUN P K	6
7	ASHMIN SURYA	3
8	AYISHA A T	5
9	AYISHA FAIHA P A	8
10	AYISHA MISRI	2
11	DEVANANDA P	5
12	FATHIMATHUL NUSHFA	8
13	GOWRINANDA C K	10
14	HANEEN ABDULLAH	6
15	HANNA MARIYAM A	4
16	HAWASHA HASMIN N	2
17	IFFA MARIYAM	7
18	JANIKA V	9
19	MAHIRA FATHIMA P P	6
20	MITHRA KALIANI P	3
21	MUHAMMED ADIL	7
22	MUHAMMED JURAIJ P P	9
23	MUHAMMED MIDHLAJ T P	2
24	MUHAMMED NISHAL C	3
25	NIVED M	4
26	POOJA K	6
27	PUNNYA K	4
28	SATHIHA S	7
29	SOHITH A	8

30	SURYA NANDAN P P	6
31	UMERUL FAROOQ K T	7
32	ABINAV KRISHNA P	10
33	AMANA PARVEEN	10
34	ANAGHA T N	3
35	ASWATHI K V	5
36	ATHUL KRISHNA K P	5
37	FATHIMA MEHRIN N P	8
38	FATHIMA NAINA C V	6
39	FATHIMA SANA K	7
40	HIBA K K	6
41	ISHA MARIYAM	7
42	MANU DEV P T	4
43	MUHAMED MARSHID	5
44	MUHAMMED HAMIS N V	4
45	MUHAMMED HILAL	3
46	MUHAMMED SHAFEEK P M	3
47	MUHAMMED SHAHID M T	5
48	MUHAMMED SIDHAN V P	6
49	AADITH NANDU K	8
50	ABY LEO ANDROWS	4
51	AHAMMAD HAIZAM V P	8
52	AL AMEEN M	4
53	ALAN M K	6
54	ANAYKRISHNA	8
55	AYISHA HIBA M P	6
56	DIYA FATHIMA C P	7
57	ESHAL MINNA K	6
58	FATHIMA SHAHANA P P	5
59	HADHI RAMZAN K V	4
60	HANAN ZAKEENA V	3
61	INSHA T P	10
62	ISMATH MARIYAM K	2
63	KENZA FATHIMA E P	7

64	MUHAMMED AFLAH ROSHAN A T	8
65	MUHAMMED AFREED C P	9
66	MUHAMMED FARHAN	10
67	MUHAMMED IHSAN V M	10
68	MUHAMMED IHZAN CP	4
69	MUHAMMED YASEEN	6
70	NIHAL K	8
71	NIYA FATHIMA K	9
72	RIYA ANAS K T	8

PROVIDENCE WOMEN'S COLLEGE
DEPARTMENT OF MATHEMATICS AND STATISTICS

IQ TEST - GRADE 1 (AML P PARAMBIL BAZAR SCHOOL)

1) $19+6 = ?$ a) 19 b) 6 c) 25 d) 26

2) I bought 10 Oranges and 5 Pineapples. How many fruits did I buy totally?

a) 16 b) 18 c) 14 d) 15

3) Find the missing number:- $24+ \underline{\quad} = 30$

a) 6 b) 5 c) 4 d) 3

4) When added which is greater?

a) $5+15$ b) $20+0$ c) $15+20$ d) $10+30$

5) Find the number words of 28.

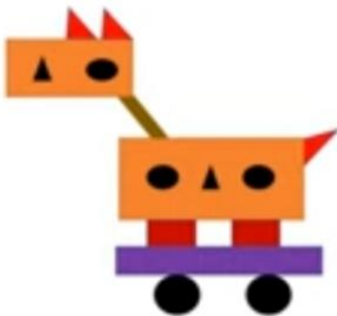
a) Twenty nine b) Thirty Eight c) Twenty Eight
d) Twenty Seven

6) In the picture given, how many pencils are there in the box?



- a) 3 b) 5 c) 6 d) 4

7) Which of the following shape is missing in the following figure?



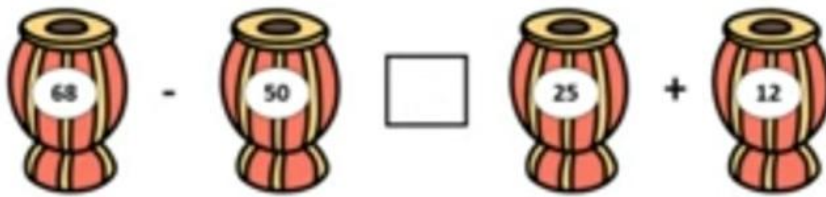
- a) Triangle b) Square c) Circle
d) Rectangle

8) If Neha's school function is on third Monday of October 20xx, then on which date will her annual function be held?

OCTOBER		20XX				
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

- a) 22 Oct b) 20 Oct c) 27 Oct
d) 21 Oct

9) Compare and fill the box.



a) = b) can't say c) greater than d) less than

10) Which of the following items CANNOT be bought from the given amount of money?



A.



B.



C.



D.



PROVIDENCE WOMEN'S COLLEGE
DEPARTMENT OF MATHEMATICS AND STATISTICS

IQ TEST - GRADE 2 (AML P PARAMBIL BAZAR SCHOOL)

- 1) Is 84 even or odd?

- 2) In 379, the place value of 7 is?
a) Ones b) Tens c) Hundreds

- 3) What is 200 more than 646?
a) 746 b) 846 c) 946

- 4) What time will be 2 hours before 1 o'clock?
a) 12 o'clock b) 10 o'clock c) 11 o'clock d) 9 o'clock

- 5) 1 fortnight = _____ days
a) 7 b) 10 c) 15

- 6) I have one in the ones place. I am greater than 41 but less than 57. What number am I?

- 7) I am odd number. I have 8 on tens place. I am greater than 81 but less than 85. What number am I?

8) What time does this clock show ?



9) Which number is the same as 4 hundreds, 3 tens and 5 ones?

- a) 453 b) 345 c) 435 d) 352**

10) Which of the following are correctly matched?

- a) One hundred and ninety two - 193**
b) Six hundred and three - 603
c) Two hundred and fourteen - 204
d) Five hundred and twenty - 521

PROVIDENCE WOMEN'S COLLEGE
DEPARTMENT OF MATHEMATICS AND STATISTICS

IQ TEST - GRADE 3 (AML P PARAMBIL BAZAR SCHOOL)

1) What is the predecessor of 65347?

- a) 65346 b) 65348 c) 65356

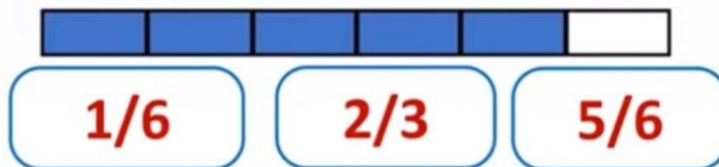
2) $54871 - 24601$ has which number at thousand digit?

- a) 4 b) 0 c) 6 d) 5

3) _____ \div 220 = 98 Quotient and 90 Remainder

- a) 22650 b) 21650 c) 23650

4) Write the fraction shaded in the picture.



5) How many hours and minutes are there from quarter past 5 to half past 8?

- a) 2 hr 30min b) 3 hr 10 min c) 3 hr 15 min

6) $18 \text{ kg } 657 \text{ g} =$ _____ g

- a) 17757g b) 18657g c) 18695g

7) A book store has 29650 books. 5359 books were sold on the first day and 6507 books were sold on the second day. How many books were left in the book store?

8) A truck carries 175 bags of wheat. How many bags of wheat will be carried in 45 such trucks?

9) Seema is 7. Krishna is 4 years older than Seema and 5 years younger than Geetha. How old is Geetha?

10) What number should be subtracted from smallest four digit number to give largest three digit number?

PROVIDENCE WOMEN'S COLLEGE
DEPARTMENT OF MATHEMATICS AND STATISTICS

IQ TEST - GRADE 1 (AML P PARAMBIL BAZAR SCHOOL)

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3) Find the missing number:- $24 + \underline{\quad} = 30$

a) 6 ✓ b) 5 c) 4 d) 3

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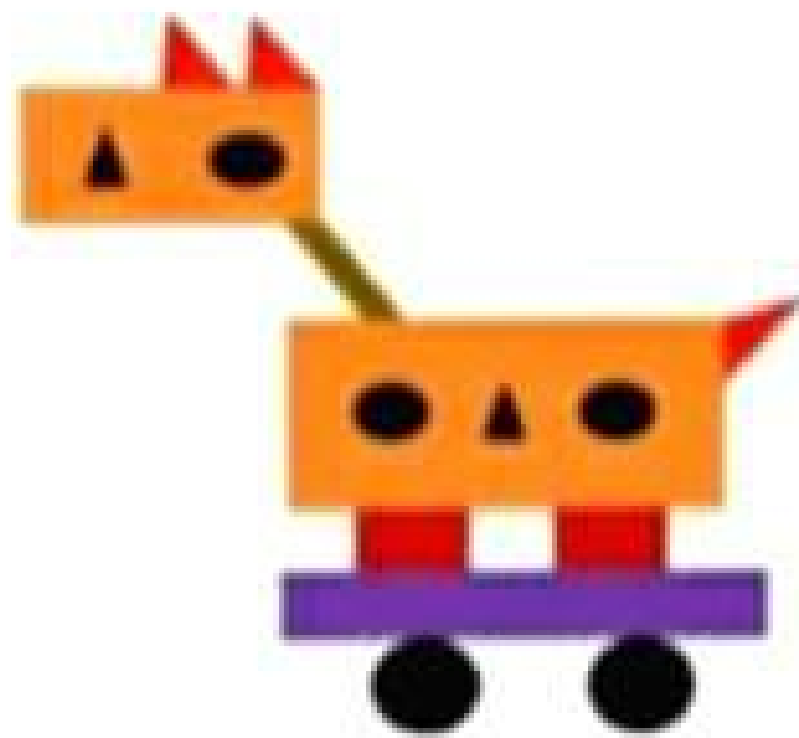
8/10

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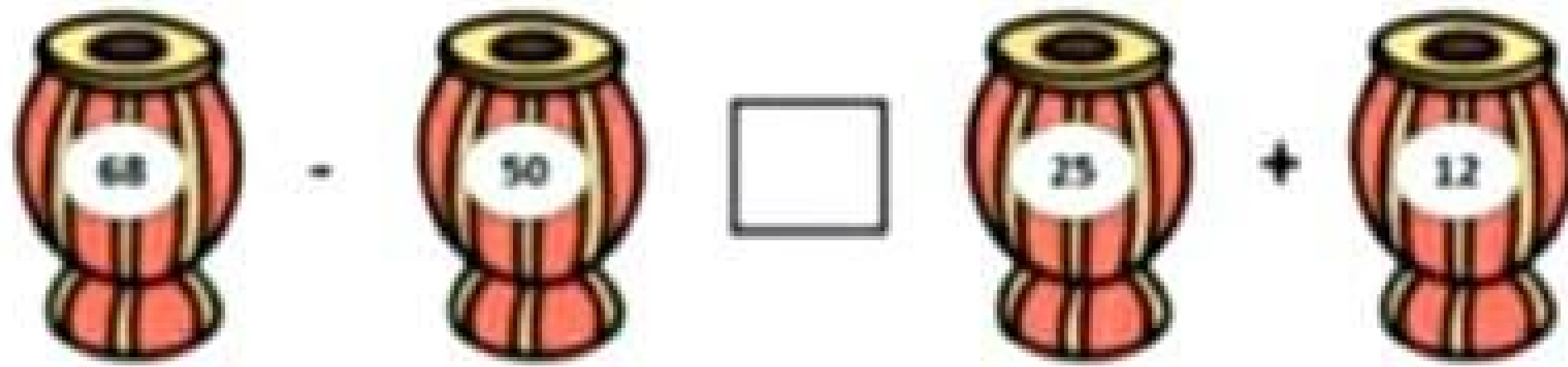
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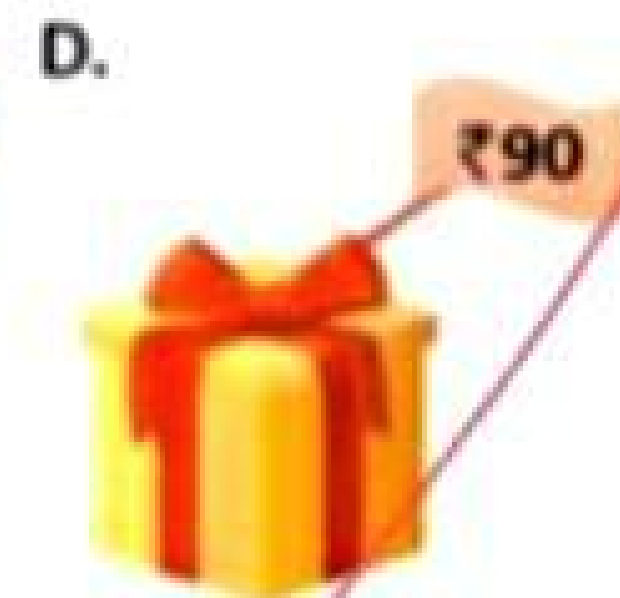
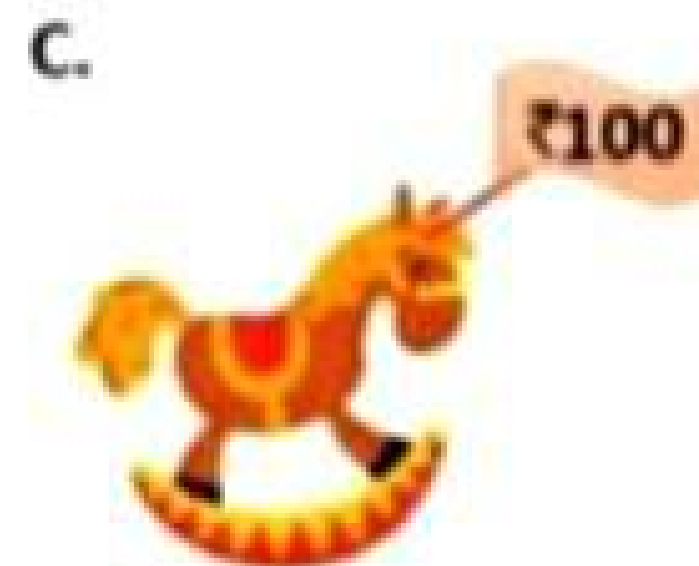
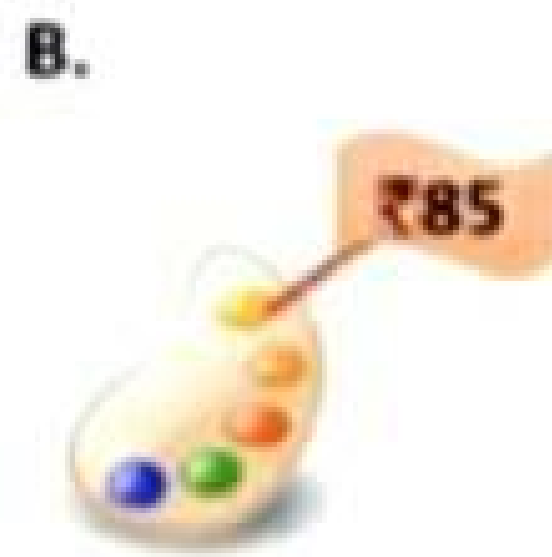
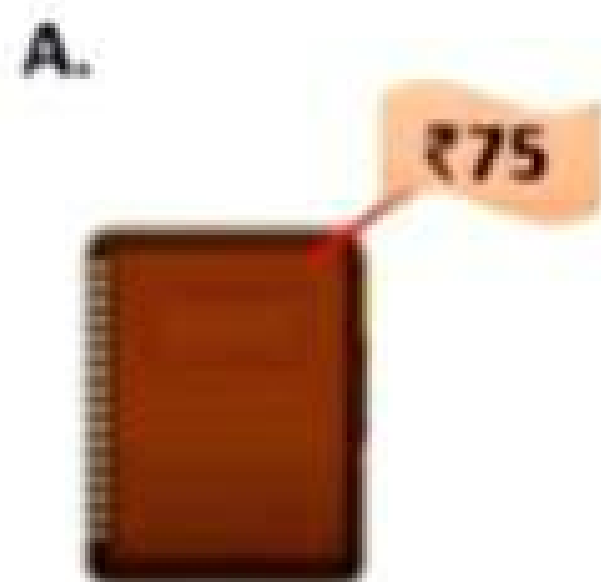
- a) 22 Oct b) 20 Oct c) 27 Oct
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9/10



PROVIDENCE WOMEN'S COLLEGE
DEPARTMENT OF MATHEMATICS AND STATISTICS

IQ TEST - GRADE 2 (AML P PARAMBIL BAZAR SCHOOL)

1) Is 84 even or odd?

even

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51

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83

8) What time does this clock show ?



8:00 clock

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PROVIDENCE WOMEN'S COLLEGE
DEPARTMENT OF MATHEMATICS AND STATISTICS

IQ TEST - GRADE 3 (AMLP PARAMBIL BAZAR SCHOOL)

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$\frac{3}{10}$

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1702

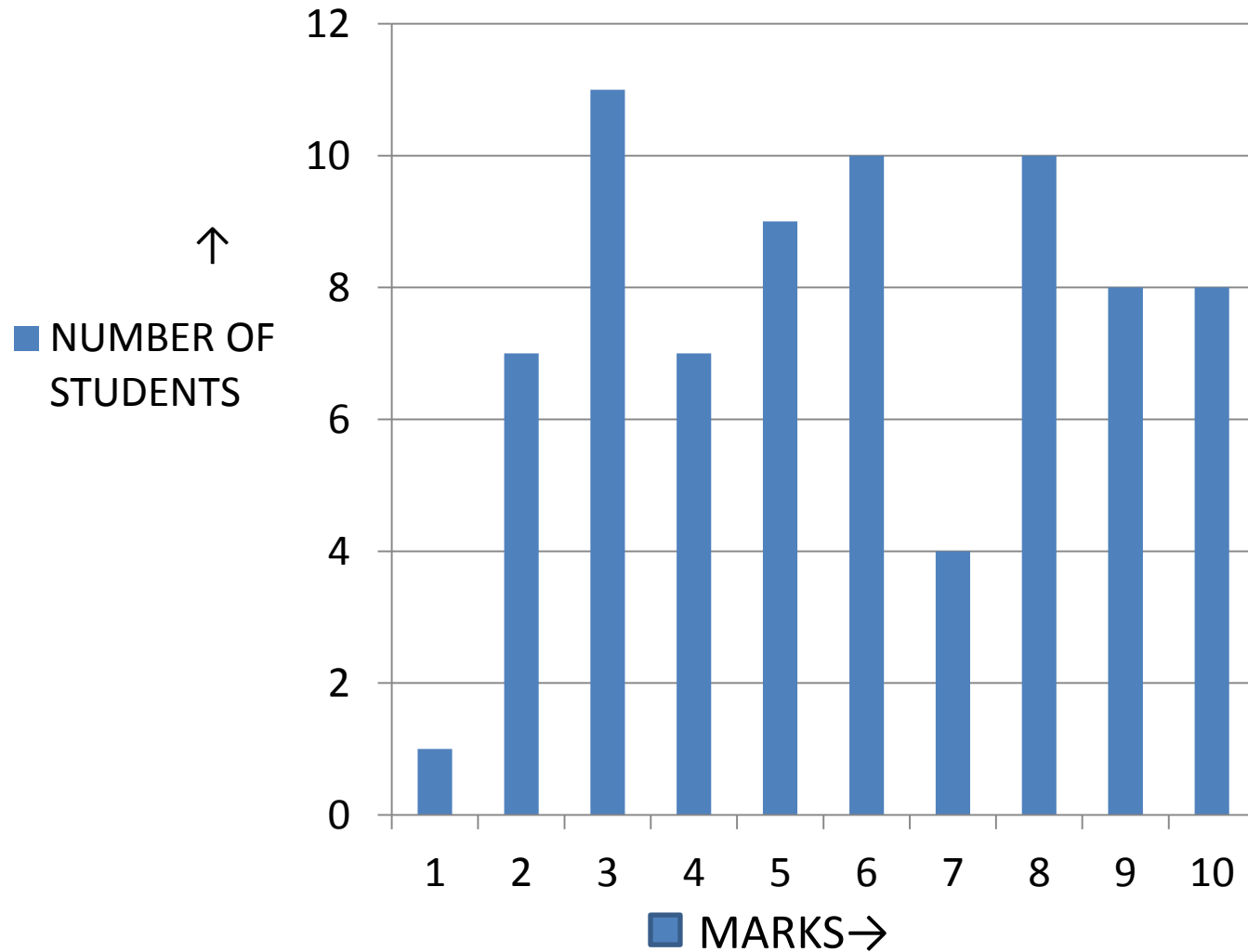
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10) What number should be subtracted from smallest four digit number to give largest three digit number? 3

IQ ANALYSIS - GRADE 1

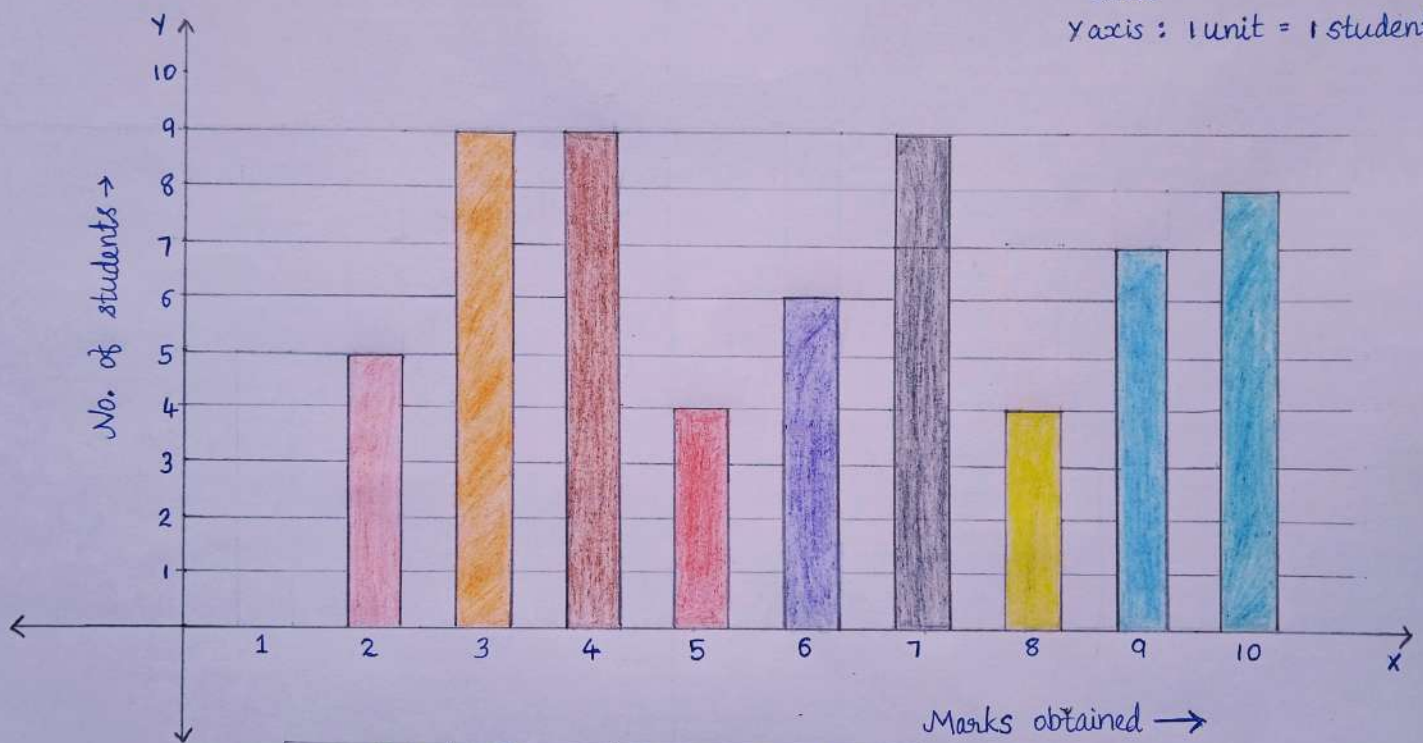
AMLP SCHOOL PARAMBIL BAZAR



IQ LEVEL	NUMBER OF STUDENTS
BELOW AVERAGE (≤ 4)	26
AVERAGE (5 – 7)	23
ABOVE AVERAGE (≥ 8)	26

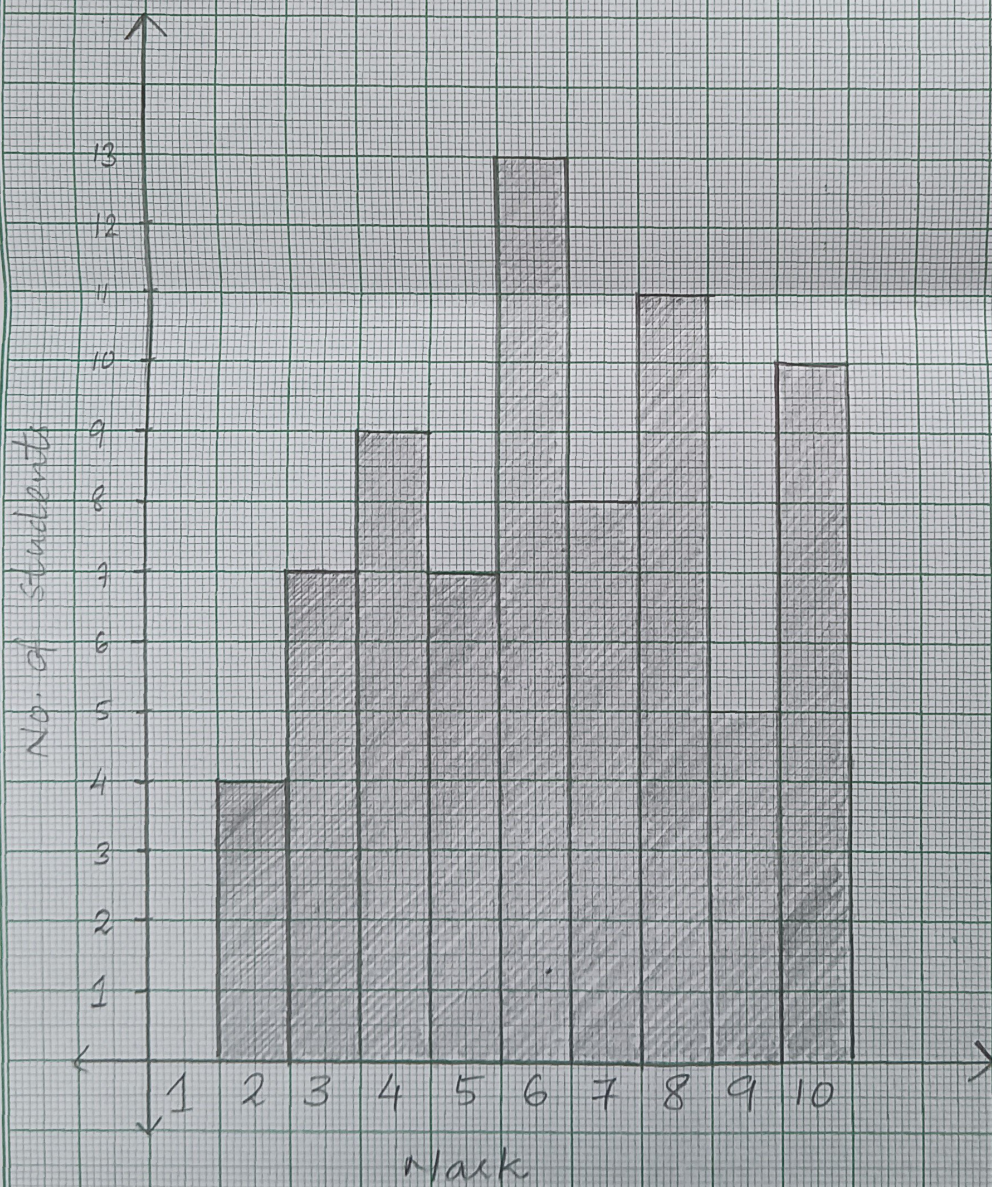
IQ TEST- GRADE 2 (AML P PARAMBIL BAZAR SCHOOL)

Scale
Y axis : 1 unit = 1 student



IQ Level	Number of students
Below average (≤ 4)	23 students
Average (5,6,7)	19 students
Above average (≥ 8)	19 students

IQ evaluation for
Grade 3 students of
AMLF School . Parambil Bazar.



Mark	Status	No. of students
$0 \geq 4$	Below average	20
5, 6, 7	Average	28
8, 9, 10	Above average	24.