

**CLASS : 6**Register  
Number**SECOND MID TERM TEST - 2024**

YouTube/ Akwa Academy

**MATHEMATICS**

Time Allowed : 1.00 Hours]

[Max. Marks : 30

**PART - I****I. Fill in the blanks.**

10x1=10

1. The number of Prime numbers between 11 and 60 is -----
2. 150 kg 200 g + 55 kg 750 g = ----- kg ---- g
3. The least number that should be added to 57 so that the sum is exactly divisible by 2,3,4 and 5 is -----

**III. Choose the correct answer.**

4. The greatest 4 digit number which is exactly divisible by 8,9 and 12 is  
a) 9999                      b) 9996                      c) 9696                      d) 9936
5. Which of the following is Co-prime.  
a) 51, 63                      b) 52, 91                      c) 71, 81                      d) 81, 99
6. Which is the greatest? 0.007 g, 70 mg, 0.07 cg  
a) 0.07 cg                      b) 0.007 g                      c) 70 mg                      d) all are equal
7. 3 weeks = ----- days  
a) 21                              b) 7                              c) 14                              d) 28
8. 'Overhead expenses' is always included in -----  
a) S.P                              b) C.P                              c) Profit                              d) Loss
9. 9m 4cm is equal to  
a) 94cm                              b) 904cm                              c) 9.4cm                              d) 0.94cm
10. 2½ years is equal to ----- months.  
a) 25                              b) 30                              c) 24                              d) 5

**PART - II****III. Answer any four of the following questions. Q.No.17 is compulsory.**

4x2=8

11. Write the Smallest and Biggest three digit composite number.
12. The official distance of Marathon race is 42.195 km. Express this distance in metre.
13. The average rainfall of Tamil Nadu is 998mm. Convert into cm.
14. A table is bought for ₹ 4500 and sold for ₹ 4800. Find the profit or loss.

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15. If Guna marks his product to be sold for ₹ 325 and gives a discount of ₹ 30, then find the S.P.
16. Write the Smallest and Biggest two digit prime number.
17. a) Find the dates of any month in a Calender which are divisible by both 2 and 3

(OR)

- b) Find the ratio of the HCF and the LCM of the numbers 18 and 30.

## PART - III

- III. Answer any four of the following questions. Q.No.23 is compulsory. 4x3=12
18. Find the Prime factorisation of the number 198 by factor tree method and division method.
19. Find the HCF and the LCM of the numbers 154, 198 and 286.
20. In a JRC one day camp 150 gm of rice and 15 ml oil are needed for a student. If there are 40 students to attend the camp how much of rice and oil are need?
21. If Wednesday falls on 20<sup>th</sup> of December 2017. What is the day on 8th June 2018? Also say the number of days between these two dates.
22. Manimegalai purchased a house for ₹25,52,500 and spent ₹2,28,350 for its repair. She sold it for ₹30,52,000. Find her gain or loss.
23. Ramya purchases some make-up items and gets the following bill.

CASH BILL				
SHANTHI FANCY STORE				
BILL.NO.100				Date:15.05.2018
SI.NO.	Items	Rate(in ₹)	Quantity	Amount(in ₹)
1	Hair clip	15 each	6	90
2.	Hair pin	10 each	4	40
3.	Ribbon	12 per m	3	36
4.	Hand Kerchief	25 each	2	50
	Total			216

Observe the bill and answer the following questions.

1. What is the bill number
2. How many different items were purchased
3. What is the total cost of the ribbon.

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