

PLE AND OTHER TOPICAL QUESTIONS

(FINITE SYSTEM)

1. Work out: $2 - 6 \pmod{7}$
2. Today is Monday, the workers on a farm are paid their salary. What day of the week will the worker's next pay be ,30 days from today?
3. Work out: $2 - 5 \pmod{7}$
4. Solve : $3 + m = 2 \pmod{5}$
5. Solve: $3y = 5 \pmod{7}$
6. If today is Friday, what day of the week will it be after 46 days?
7. Work out: $y + 3 = 2 \pmod{7}$

8. Work out : $4 - 15 = \dots\dots(\text{mod } 7)$

9. If today is Thursday, what day of the week will it be after 20 days?

10 . Work out : $2 \div 4 = \dots\dots(\text{finite } 7)$

11 . Yesterday was Wednesday, what day of the week will it be after 31 days?

12 . Work out : $1 + 24 = \dots\dots(\text{finite } 7)$

13 . If today is Thursday, what day of the week was it 15 days from today?

14 . Yesterday was Thursday, what day of the week will it be 50 days from today?

15 .At a party Norah sat visitors in fives and one remained .When she sat the.
same number of visitors in elevens, eight remained.
Find the least number of visitors she was able to sit.

16 . Work out the value of y if $y - 4 = 3 \pmod{5}$

17 .Eighteens days from today will be Tuesday, what day of the week is
today?

18 .Work out : $3 \div 4 = \dots \pmod{7}$ using a dial.

19 .Work out : $3 \times 4 = \dots \pmod{5}$

20 .On Friday, President Museven declared a 42days National lockdown.
What day of the week will the lockdown end?

21 .At a birthday party, Mugisha bought a certain number of sweets.
When he served them to 5 pupils, one sweet remained.
When he served the same number of sweets to 7 pupils, only three sweets remained.
What was the smallest number of sweets Mugisha bought?

22 .Today is Wednesday. It is 17 days from the day Lubinga visited his mother. What day was it?

23 .Work out : $2 - 4 = \dots\dots\dots$ (finite 5) using a dial.

24 .Work out: $3 \div y = 2(\text{mod}5)$

25 .Today is Tuesday, 4th February, 2020. What day of the week will it be on 29th May of the same year?

26 .Twelve days ago from today was Friday. What day of the week is today?

27 .Work out: $k \div 4 = 6(\text{mod}7)$

28 .Work out: $2m - 1 = 4 \pmod{7}$

29 .Mr.Ssegawa bought a certain number of mangoes.
When he grouped them in sevens, 3 remained.
When he grouped them in fives, 4 remained.
What is the least number of mangoes Ssegawa bought?

30 .What are the next three equivalent whole numbers for:
 $2 \pmod{5} = 2, 7, 12, \dots, \dots, \dots$

31 .Forty nine days ago from today was Wednesday.
What day of the week was yesterday?

32 .Work out: $18 + w = 2 \pmod{7}$

33 .Use a dial to work out: $4 - 5 = \dots \pmod{7}$

34 .Today is 8th August, what day of the week will 9th October of the same year be?

35 .First term of the year 2020 started on Monday 3rd February.
The Ministry of Education and Sports instructed all schools to close by 20th March of the same year due to COVID 19 outbreak.
What day of the week were the schools instructed to close?

36 .Work out: $3 \div 5 = \dots\dots(\text{mod}6)$

37 .Solve for w: $2w - 4 = 3$ (finite7)

38 .If today is Friday, what day of the week was it 94 days ago?

39 .Forty two days from today will be Monday.
What day of the week will be tomorrow?

40 .If today is Monday 1st January 2018, what day of the week will it be the Uganda Independence day from today?

41 .In a class, children were told to sit in groups.
When they sat in groups of fives,2 remained.
When they sat in groups of threes, 1 remained and
when they sat in groups of sevens,3 remained.
What was the smallest number of pupils in the class?

42 . Use a clock face to work out: $2 - 3$ (finite5)

43 .If today is Monday, what day of the week will it be after 37 days?

44 .Twelve days ago from today was Friday, what day of the week is tomorrow?

45 .Work out : $4 + 3 + 5 = \dots\dots$ (finite 7)

46 .Today is Tuesday, what day of the week was 24 days ago?

47 .Solve: $X + 3 = 2 \pmod{5}$

48 .At a school assembly, pupils were told to stand in different groups.
When they stood in groups of fives,3 pupils remained.
When they stood in groups of sixes, 1 pupil remained and
when they were grouped in groups of sevens,2 pupils remained.
What was the least number of pupils who were at the assembly?

49 .Today is Saturday, Tiffany last visited her friend 30 days ago.
What day of the week did Tiffany visit her friend?

50 .Calculate the sum of the next two equivalent whole numbers for:
 $3 \pmod{7} = 3, 10, 17, 24, \dots, \dots$

“GO THE EXTRA MILE,THERE IS NO ONE ON IT”