

THE PEARL EDUCATIONAL CONSULT KAMPALA SCHOOLS

NAME:.....CLASS.....

SCHOOL:.....

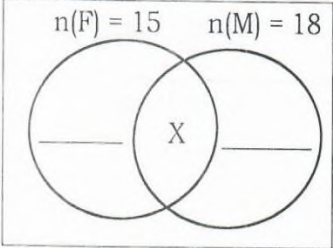
ORGANISED BY THE PEARL MATHS SPECIALISTS

FOR ANY INQUIRY PLEASE TEL 0757999162/0782171915

PRIMARY SIX QUALITY ASSURANCE

STANDARD PRACTICE MATHEMATICS TERM 1 2024			
1	If set $Y = \{ 1, 2, 3, 4, 5 \}$ and Set $X = \{ 2, 4, 8, 10 \}$;		
a)	How many elements has set X?	b)	Find the number of elements in set Y
2	If set $A = \{ 1, 2, 3, 4, 5 \}$ and set $B = \{ 2, 4, 6, 8 \}$		
a)	Draw venn diagrams to represent the above information.		
b)	Find set $(A - B)$	c)	Find set $(B - A)$
d)	How many elements has set A?	f)	Find elements of set $n(A \cup B)$

3	<p>In the venn diagram, below shade region K only.</p> <div style="text-align: center;"> <div style="display: inline-block; width: 100px; height: 100px; background-color: black; margin: 10px;"></div> <div style="display: flex; justify-content: space-around; width: 100%;"> K L </div> </div>		
4	<p>Given Set A = { 2, 3, 5 } . Find the number of sub sets formed from set A.</p>		
5	<p>How many subsets are formed from a set with 6 elements?</p>		
6	<p>If set M has 64 subsets . Find the number of elements that set M has.</p>		
7	<p>Draw venn diagrams to show: a) that all bulls (B) are cattle (C)</p>	<p>b)</p>	<p>That all grass (G) are plant (P)</p>

8	At the party attended by 30 guests, 15 guests ate fish (F), 18 guests ate meat (M) and the rest of the guests ate both dishes.	
a)	Show the above information on the venn diagram below. $n(\Sigma) = 30$ guests. $n(F) = 15$ $n(M) = 18$ 	b) How many guests ate both types of dishes
c	How many guests ate only one types of dish?	
9	A music club has 20 singers, 2 queen dancers and 7 instrumentalists	
a)	If one member is picked at random to be the group manager , what is the probability of selecting a singer.	b) Find the probability of choosing a queen dancer from the group to prepare food
c)	In a family, there are 3 girls and 5 boys. Find the probability of choosing a girl among all children to be the heir.	

10	a) What is the place value of 4 in 947,058?	b)	Calculate the difference of the value of 9 and the value of 5 in 6905.
11	a) Expand 8349 using value form.	b)	Expand 793,652 using powers of ten.
12	What number has been expanded to give $(4 \times 10,000) + (9 \times 1,000) + (5 \times 100) + (7 \times 10) + (3 \times 1)$	b)	Write 6,942,029 in word.
13	Write nine million, two hundred thirty nine thousand , five hundred ninety five in figures.		

14	a) Write 145 in Roman numerals.	b)	Write MCMXLIV in Hindu - Arabic								
15	During the school`s sports meeting ,the following teachers attended. <table><tr><td>Schools</td><td>Number of teachers</td></tr><tr><td>Tam Junior School</td><td>2,341</td></tr><tr><td>Home Care Junior School</td><td>1,532</td></tr><tr><td>Heritage Junior School</td><td>4,123</td></tr></table>			Schools	Number of teachers	Tam Junior School	2,341	Home Care Junior School	1,532	Heritage Junior School	4,123
Schools	Number of teachers										
Tam Junior School	2,341										
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Heritage Junior School	4,123										
a)	How many teachers came from Tam and Home care altogether.	b)	Find the total number of teachers from Heritage and Tam.								
16	A man had sh. 45,600 and got more sh. 32,100. How much did he have altogether.	b)	Work out the sum sh. 24,000 and sh. 49,000.								
17	a) 5,862 take away 4,340.	b)	Subtract: <div>9 4 5 9 - 4 3 2 1 ----- -----</div>								

18	a) Find the product of 403 and 2	b)	Tamusuza bought 2 liters of milk at sh. 2000 each. How much did he spend?
19	In a kraal , there are 26 animal. Find the number of all the animal if each animal has 4 legs	b)	Aspider has 8 legs . If there are 66 spider in Kiyenje`s house, how many legs were counted.
20	On a school assembly , children stood in lines of 6 each. If there were 9624 altogether. How many lines were there.	b)	Find the quotient of 10,000 and 4

21	Work out $94 - 70 + 6$	b)	Find the value of $674 - 40 + 240$
22	Find out: 60 of $(5 + 7)$	b)	Work out $2 \times 18 \div 6$
23	Find the next number in the sequence. 2, 5, 8, 11, 14, ----	b)	Find out the next number in the sequence. 37, 34, 29, 26, 21, 18, ----
24	Find the sum of the even numbers between 20 and 30.	b)	What is the product of the 2nd and 4th even number?
25	List the odd numbers between 1 and 12.	b)	Calculate the sum of odd numbers between 6 and 24.

26	Find the sum of the three consecutive even numbers is 30. Find the numbers.
27	The sum of three consecutive odd numbers is 27. Find the numbers.
28	The sum of three consecutive even numbers is 72. List down all the even numbers.

29	Calculate the sum of the 1 st three composite numbers.	b)	Find the 5 th triangular number.
30	Find the square number of 12	b)	Complete the sequence: 1, 3, 6, 10, ____
31	Find the square root of 16	b	Find the square of 144.