MATHEMATICS PLE 2018 EXTRACT

PUPIL'S COMPLETE INDEX NUMBER

Province/city	District	Sector	School	Pupil
03	06	09	05	043

PUPIL'S FULL NAME

Sur name : Rupura - David

Other names : David

1	Subtract: 867,523 − 374,238 (2 marks)	2	Test whether 298 is divisible by 9 (2 marks)
3	If $a + b = 20$, and $b = 8$, find the value of a (2 marks)	4	Write in figures: (2 marks) Four hundred forty five million, five hundred eighty four thousand and four hundred nine.
5	Round off 412928.92 to the nearest whole number. (2 marks)	6	What is the place value of 7 in the figure 75 325 961? (2 marks)
7	Workout: $3 \times (15 + 5) - 7$ (2 marks)	8	How many millilitres of water does a bottle of five litres have? (2 marks)

9	Find the value of $^{-}3a - 4b$ if $a = 2$ and $b = {}^{-}3$ (2 marks)	10	Arrange in ascending order: (2 marks) $\frac{3}{10}, \frac{5}{12}, 0.75, \frac{2}{15}$
11	Solve for x the following equation: $x - 7 = {}^{-}2x - 1$ (2 marks)	12	Workout: $\frac{0.72 \times 0.24}{0.48}$ (2 marks)
13	Simplify the expression: (2 marks) $2(a-3) + 4b - 2(a-b-3) + 5$	14	The interior angle of a regular polygon is 145°. Find the size of the exterior angle of the polygon. (2 marks)
15	Find the area of a regular pentagon whose side is 4cm and apothem is 2cm. (2 marks)	16	Calculate: $3\frac{5}{7} + 2\frac{2}{3}$ (2 marks)
17	The circumference of a circle is 314cm. Find its diameter in cm. (use π = 3.14) (2 marks)	18	If two numbers have a difference of 381 and a quotient of 4. Determine these numbers. (2 marks)

19	A man's step is 80cm. How many such steps can he make in a distance of 40dm? (2 marks)	20	Share 170 notebooks among 9 pupils. Give your answer as a mixed fraction. (2 marks)
21	A motorcyclist rides 15km in one hour. How many hours does he take to ride 45km? (2 marks)	22	Find the area of a circle whose diameter is 28m. (2 marks)
23	Given that the total number of pupils in P.6 class is 32 and the difference between the number of boys and that of girls in the class is 10. a. Calculate the number of boys in the class. (1 mark) a. Calculate the number of girls in the class. (1 mark)	24	Calculate 12% of 280,000 (2 marks)
25	Dora has 10,000Frw. She took $\frac{3}{5}$ of that money to buy shoes. Calculate the sum of money she spent on shoes. (2 marks)	26	A man's salary increased in the ratio 2:3 If he was earning 70,000Frw. Calculate his new salary. (3 marks)

27	The cost of a science book and a bag is 75,000Frw altogether. The book costs 15,000Frw more than the bag. Find: a. The cost of the bag. (2 marks) b. The cost of the book. (2 marks)	28	A woman deposited 600,000Frw in the bank for 2 years at an interest rate of 4% per year. a. Calculate the interest she got after the second year. (2 marks) b. Calculate the total amount she got after 2 years.
29	a. Name the regular polygon which has 12 sides. (1 mark) b. What is the interior angle of a regular octagon? (1 mark)	30	The area of a rectangle is 15 square decimetres and its length is 50 centimetres. Find the width of the rectangle. Give your answer in centimetres. (3 marks)
31	Manu, Ally and Eden are friends. They contributed money for paying the insurance of the old people in their cell in 3 to 4 to 5 parts respectively. Manu contributed 40,000Frw. a. How much did Ally contribute? (3 mks) b. How much did Eden contribute? (3 mks) c. Calculate the total contribution of the three members. (1 mk)		

32	In a conference hall, $\frac{2}{6}$ of seats are filled by women, $\frac{1}{5}$ by men and $\frac{1}{3}$ by children. a. What fraction of the conference hall is occupied? (2 marks) b. What fraction of the conference hall is not occupied? (1 mark) c. How many people are in the conference hall if the whole conference room contains 9000 seats? (1 mark) d. Calculate the number of men who are present. (1 mark) e. Calculate the number of women who are present. (1 mark) f. Calculate the number of children who are present. (1 mark)
33	a. What is the volume of a cylinder which is 4cm high and whose circular face has a diameter of 2cm? (2 marks) b. Three friends Lorina, Lariga and Lona contributed to start a business. Lorina paid $\frac{4}{10}$ of the total contribution, Lariga contributed $\frac{3}{10}$ of the total contribution. a. What fraction did Lona contribute? (2 marks) b. If Lona contributed 60,000Frw, what was their total contribution? (3 marks)

34 The table below shows how primary four (P.4) class scored in English test out of 100.

Marks	50	30	40	42	80	70
Frequency	2	5	8	10	6	4

a. Complete the table below with the above information (the first row was completed for you). (3 marks)

Marks(x)	Frequency(f)
30	5
$\sum x$=____	$\sum f$=____

b. How many pupils are in P.4? (1 mark)

c. Find the highest marks in the class. (1 mk)

d. What is the mark obtained by many students? (1 mark)

e. How many pupils obtained the lowest mark? (1 mark)

35 A bicyclist covered a journey from centre A to centre B in 3 hours at a speed of 20km/h and he took 1 hour to return through the same distance.

a. Calculate the distance from A to B. (2 marks)

b. Calculate the total distance of the whole journey. (1 mark)

c. Calculate the total time used to cover the whole journey. (2 marks)

d. Calculate the average speed used for the whole journey. (Write the answer in m/s) (2 marks)