

MATHEMATICS PLE 2017 EXTRACT

PUPIL'S COMPLETE INDEX NUMBER

Province/city

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District

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Sector

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School

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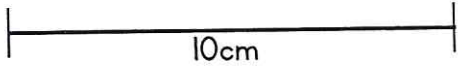
Pupil

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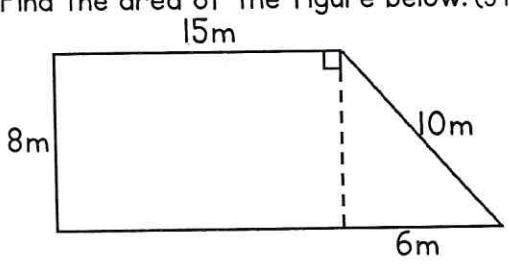
PUPIL'S FULL NAME

Sur name : _____

Other names : _____

1	Calculate: $146,391 + 43,609$ (2 marks)	2	Use a scale of 1:1,500,000 to find the actual length of the line below: (2 marks) 
3	Complete the following sentences with: <i>even</i> , <i>frequency</i> , <i>odd</i> or <i>ratio</i> . (2 marks) a. _____ number can be divided exactly by 2. b. _____ is the number of times that something appears.	4	Calculate the volume of a rectangular tank measuring 6m long, 5m wide and 4m high. (Give the answer in litres) (2 marks)
5	A bus left Huye on Tuesday at 8:00pm and arrived in Rubavu the next day at 2:00am. What time did the journey take? (2 marks)	6	Two complementary angles are t° and 43° . What is the value of angle t° ? (2 marks)
7	Calculate: 246×99 (2 marks)	8	Calculate the average of numbers 61, 52, 48, 21 and 58. (2 marks)

<p>9 Write: <i>seven million, seven hundred thousand and seven</i> in figures. (2 marks)</p>	<p>10 Calculate: $8 \times 10^3 + 5 \times 10^5$ (2 marks)</p>
<p>11 What are the next two numbers in the sequence? (2 marks)</p> <p>-23 ; -17 ; -11 ; ____ ; ____</p>	<p>12 Increase 850Frw by 20% (2 marks)</p>
<p>13 Calculate: $(250 + 45 \times 4) - 15 \div 3$ (2 marks)</p>	<p>14 Solve: $3x - (5x - 2) = 0$ (2 marks)</p>
<p>15 Write the first four prime numbers. (2 marks)</p>	<p>16 Express 0.25 hectares into ares. (2 marks)</p>
<p>17 Add and leave the answer in base two (binary): $11_{\text{two}} + 11_{\text{two}}$ (2 marks)</p>	<p>18 Calculate the number of sides of a regular polygon whose exterior angle is 20°. (2 marks)</p>

19	Fill in the missing figures: (2 marks) $3720 \text{ seconds} = \text{---} \text{ hours } \text{---} \text{ minutes}$	20	Set $A = \{3, 7, 9, 11, 15, 17, 27, 37\}$ and Set $B = \{3, 11, 27\}$ (2 marks) a. List the members of $A \cap B$ b. Describe the relationship between set A and set B.
21	A child sold a hen at 4,299 Frw. How much did he/she buy it if he made a loss of 16%? (2 marks)	22	Write in words: 75.27 (2 marks)
23	Find the Lowest Common Multiple (LCM) of 624 and 208. (2 marks)	24	Find the area of a square garden whose perimeter is 164m. (2 marks)
25	Workout: $6 - 2.174$ (2 marks)	26	Calculate: $\frac{12}{16} \times \frac{6}{9} + \frac{25}{50}$ (2 marks)
27	Find the area of the figure below. (3 mks) 	28	There are 235 guests at a wedding. What is the least number of circular tables needed to seat all the guests if each table seats exactly 8 people? (3 marks)

34 At a speed of 60km/hr a car covered a journey from town A to town B in 3 hours and it took 2 hours to return to town A.

a. Calculate the distance from town A to town B. (3 marks)

b. Calculate the average speed for the whole journey. (4 marks)

35 A businesswoman got a loan of 180,000Frw from a bank at 10% per annum compound interest.

a. How much interest did the businesswoman pay after 2 years? (5 marks)

b. What was the total amount that she returned to the bank? (2 marks)