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| Y11.1) Solve for : |
| Y11.2) Simplify |
| Y11.3) What is the coordinates of the midpoint of a line segment joining the points (2p, 5r) and (4p, 9r) |
| Y11.4) Simplify |

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| Y11.5) Ravi left Lautoka for Ba travelling at an average speed of 72km/h, at the same time Rakesh left Ba for Lautoka travelling at an average speed of 88km/h. The distance between Ba and Lautoka is 37km. What is the distance travelled by Ravi when the two of them meet. |
| Y11.6) The dimensions of a cube is increased by 200%. What is the percentage increase in its volume? |
| Y11.7) Calculate the area of the shaded region. (AC is 10cm, AB is 8cm, Use ) |
| Y11.8) Manu and Naveen are playing with marbles. Manu says to Naveen, if you give me 1 of the marbles, I will have as many as you. Naveen said to Manu, if you give me one marble I will have twice as many as you. How many marbles does Naveen have? |

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| Y11.9) Jone lived one-fifth of his live as a child, one quarter as student, and four-tenth as the managing director of a juice factory. After retirement he lived another 12 years. At what age did Jone retire? |
| Y11.10) If a stock of food can feed 20 chickens for 24 days, how long would the same food stock last if there were 16 chickens? |
| Y11.11) Samu ran 400meters in 50 seconds. What is his speed in kilometer per hour? |
| Y11.12) Calculate the Tax for income of $135500 using the table below   |  |  |  | | --- | --- | --- | | ***Bracket*** | ***Income ($)*** | ***Tax Payable ($)*** | | 1 | 0 – 30,000 | Nil | | 2 | 30,001 – 50,000 | 18% of excess over $30,000 | | 3 | 50,001 – 270,000 | Bracket 2 + 20% of excess over $50,000 | |

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| Y11.13) Points P(2,3) is transformed by the matrix   What is the coordinates of the image of P? |
| Y11.14) Evaluate |
| Y11.15) Find the point of intersection of two liner equations f(x) = 2x + 3 and g(x) = -0.5x + 7 |
| Y11.16) What are the coordinates for the points that crosses the x axis for the graph of |

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| Y11.17) A number, is divided by 7 gives a remainder of 2. What is the remainder when is divided by 7. |
| Y11/18 In one full revolution, the 6-cm long minute hand of a clock would sweep out a larger circle than the 3-cm long hour hand. What is the difference in the area they cover to the nearest square centimeter? (Give your answer in terms of π). |
| Y11.19) What is the probability of drawing two kings consecutively from a pack of 52 cards without replacement? (Give the answer in simplest fraction) |
| Y11.20) What is the equation for a circle of diameter 14 and center (-5,4) |