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| Y7.1) Eveluate 5+3(6 + 10 ÷ 2) |
| Y7.2) If Ω = the set of letters in the word **BIGGEST**, β = the set of letters in the word **RECRUIT**, and µ = the set of letters in the word **ROASTED**, What is the cardinal number for the set |
| Y7.3) Calculate the volume of the triangular prism.    **8.3cm** |
| Y7.4) Line AB and CD are parallel. Find the value of angle α if angle β is 136o  A  B  C  D  β |

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| Y7.5) How many leap years are there between the Year 1849 and Year 2018? |
| Y7.6) A Fiji Airways plane flies from Nadi to Brisbane at an average speed of 645km/h. The flight departed Nadi at 10:53am (Fiji Time) and flew a distance of 2709km. At what time (Fiji Time) did the aeroplane reach Brisbane? (Give answer in 12 hour clock format) |
| Y7.7) Evaluate : *p* + *q*(*m*+3) - *r,* where *p* = 53, *q* = 94, *m* = 106 and *r* = 11648 |
| Y7.8) The Roads Authority of Fiji has placed a traffic counter on the Suva Nausori corridors. The average number of cars that passed through the counter in the year 2017 was 3206 per week (7 days). What was the total number of cars that passed through the counter in the year? |

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| Y7.9) What is the missing number in the sequence? {…,64,81,100,\_\_\_\_,144,…} |
| Y7.10) What is the value of ? Give the answer in mixed fraction. |
| Y7.11) Calculate the area of the shaded region. (Use  |
| Y7.12) John spent $28 on a shirt. This was 16% of his total savings. How much was his savings? |

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| Y7.13) The rule for a sequence is 2*n*2-1. What is the sum of the 17th and the 20th number in the sequence? |
| Y7.14) In a televised quiz show, one wins 300 points for a correct answer, but loses 250 points for an incorrect answer. Sera replied to 20 questions and obtained 2700 points. How many incorrect answers did she give? |
| Y7.15) Rakesh went shopping and bought the items as shown in the table. What is the total mass of the groceries? Give the answer in kilograms   |  |  | | --- | --- | | **Groceries** | **Mass** | | Potatoes | 3.5kg | | Onion | 2kg | | 3 can tin fish | 450g each | | 10 pack noodles | 35g each | | 6 pack milk | 900g each | |
| Y7.16) Ana bought a house for $225,000. The cost of renovating the house was $21,000. After renovation she paid $1500 to a local real estate agent to sell the house. The agent sold the house for $289,575. What was the profit made by Ana? (Profit is expressed as percentage). |

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| Y7.17) In the Term End Examination Maria wants to get a minimum average of 82% for the total of 7 subjects. The marks for her papers are as in the table.   |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | Subject | English | Maths | Social/Sc | Comm St | Basic/Sc | Hindi | Home Eco | | Mark | 76 | **?** | 95 | 80 | **?** | 84 | 81 |   Her marks for Mathematics and Basic Science are same. What is the minimum possible mark that Maria scored in Mathematics if she was able to archive her target of 82%? |
| Y7.18) Ramu wants to draw a pie chart for the number of pets in his village. From the table given calculate the angle for the pie chat which will be allocated for parrot.   |  |  | | --- | --- | | **Pet** | **Number** | | Dog | 32 | | Cat | 27 | | Pig | 3 | | Parrot | 21 | | Fish | 7 | |
| Y7.19) During a mathematics class, Mr, Raju drew a square on the Cartesian Plane. The coordinates for the corners of the square were A(1,2), B(1,4), C(3,4) and D(3,2). What is the coordinate for the centre of the square? |
| Y7.20) After retirement, Jane invested her FNPF funds with a bank for 3 years on the interest rate as stated in the table. The principal amount was $100,000 and the interest for the 2nd and 3rd year is calculated on the accumulated amount (compound interest). At the end of the 3rd Year what is the total amount that Jane will receive?   |  |  | | --- | --- | | Year | Interest rate | | 1st | 5% | | 2nd | 7% | | 3rd | 8% | |