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| ***HOLIDAY PACKAGE SET 6*** | |
| 1. Multiply: 148 x 4 | 2. Write in figures: Ninety six thousand two hundred three. |
| 3. Fund the next two numbers in the sequence below:  1, 3, 6, 10, 15, \_\_\_\_\_\_, \_\_\_\_\_\_\_ | 4. When a die is rolled once, what is the probability that a composite number will show up? |
| 5. Solve: 2x + 5 = 17 | 6. Change 4800 metres to kilometers. |
| 7. The Venn diagram below shows sets N and M. What is the relationship between the two sets? | 8. Express the evening time shown on the clock face in 24 hour clock. |
| 9. Simplify: 6m – 2n + 5n – 3m. | 10. Work out: -5 - -3 |
| 11. Convert 1101two to decimal base. | 12. Work out: 0.004 0.2 |
| 13. Work out the area of the triangle below. | |
| 14. Find the square root of 1.96. | 15. What percentage of 2kg is 60g? |
| 16. Using a pencil, a ruler and pair of compasses only, drop a perpendicular from K to meet line EF at P. | |
| 17. Round off to the nearest ten thousands 357,268. | 18. Express 0.7272……… as a common fraction. |
| 19. Today is Friday, what day of the week was it 58 days ago? | |
| 20. The cost of 30 exercise books of 96 pages is shs.6000. Find the cost of 12 exercise books of the same type? | |
| ***SECTION B (60 MARKS)*** | |
| 21. In a village there are 75 homes of which (x + 5) homes own Radios R only, 10 homes own Tvs (T) only, (2x) homes own both radios and Tvs, while x homes own neither of the two.  a) Use the information to complete the Venn diagram below. | |
| b) Find the value of x. | c) How many homes own radios? |
| 22. Given that a = 2, b = 3, and c = 5. Find the value of,  a) (3a + b) + (3c + a) | |
| b) | c) 2(ab)2 |
| 23. A hot piece of metal 900C was placed in a refrigerator for 3 minutes. The temperature after 3 minutes was 600C. | |
| a) How many degrees of temperature had been lost? | b) A woman borrowed shs.4000 after an hour, a fiend gave her shs.10,000. How much money did she have? |
| 24(a) Construct a parallelogram XYZW in which XY is 8cm, XW is 5cm and angle X is 600. | b) Drop a perpendicular from W to meet line XY at P and measure the height WP. |
| 25. Tayebwa built a room for renting in Town which was 4m long. 3m wide and 3m high with a ceiling. The room had a door 1m long and 2m high as well as a window 1m by 1m. He intends to paint it. | |
| a) What is the surface area of the walls to be painted? | b) If he used tiles of 20cm by 20cm to cover the floor of his room. How many such tiles would he need? |
| 26. Aguti scored the following marks in a weekly test as Maths 80, English 60, SST 80, and Science 28.  a) What is Aguti’s modal mark? | |
| b) Work out Aguti’s median mark. | c) Calculate the mean mark for Aguti. |
| 27. The figure below shows an isosceles triangle KLN. Use it to answer the questions that follow. | |
| a) Find the value of P in degrees. | b) Work out the size of angle LKN. |
| 28. A tax travelling at 90km/hr took 2hrs 20min to cover a certain distance. | |
| a) Find the distance covered. | b) Peter walks 25metres in 15 seconds. Express his speed in km/hr. |
| 29(a) Work out: | b) In a school there are 90 teachers. of them are males. How many male teachers are on the staff? |
| 30. Below is rectangle ABCD. Use it to answer question that follow.  Calculate the area of the rectangle above. | |
| 31. The interior angles of Quadilateral are, y0, 2y0, (y+10)0 and (y+30)0. | |
| a) Find the value of y in degrees. | b) What is the size of the largest angle? |
| 32. The pie chart below shows how Kalema spends his salary. Use it to answer questions about it. a) Find the value of p. | |
| b) If Kalema saves sh.48000 per month, how much money does he earn? | c) How much more does he spend on school fees than electricity? |