**TJAK EDUCATION CONSULT 2024**

**PLE PREPARATION SET 1 OF 10**

**Name………………………………………………………………………….……….. Date……………………**

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| 1.workout: **12÷4** | 2.Writein figure: **Eleven thousand forty-four** |
| 3.Round off **345.75** to the nearest tenth | 4.Simplify **-5 + -7** |
| 5.Given set P = {**all vowel letters**} how many proper subsets are in set P? | 6.**2x** and **x** are complementary angles, find the value of x |
| 7.Construct an angle of **1050** | 8.Write **CXCIX** in words |
| 9.The LCM of M and P is **72** and their HCF is **4** if M=**12**, find the value of P. | 10.Convert **0.1212…** to a common fraction in the lowest form |
| 11.Subtract **x-3** from **2x+4** | 12.Find the median of **-3,0,5, -7** and **2** |
| 13.Convert **111two**to denary base | 14.solve **9-2m<15** |
| 15.The bearing of town K from T is **2350**,What is the bearing of town T from K? | 16.Google started his journey at **11:45am** and it lasted him **2hours**.when did it end? |
| 17.Find the perimeter  **14cm** | 18.How many bottles of**250ml** can be got from a **10litre** jerrycan? |
| 19.simplify **2+3**=….(**mod 5**) | 20.In the bag, there are **6 red** pens and **4 blue** pens. What is the probability of picking a blue pen randomly from the bag? |

21.In class, of the class like matooke,of the remainder like Posho and the rest **20 pupils** like cassava while **y** like both Matooke and Posho.

a) Complete the Venn-diagram below

n(Ʃ)=

n(m)= n(p)=

……… y ……….

b) Find the value of y

22.A rectangular room **50m** by **30m** was floored by square tiles of **30cm.**

a) How many tiles will be needed for flooring the room?

**30m**

**30cm**

**50m**

b) Calculate the space left after flooring

23. Using a pair of compasses, a ruler and a sharp pencil, construct a parallelogram **PQRS** where line PQ=**8cm** and QR=**6cm** and angle PQR=**1200** Drop a perpendicular bisector from point **S** to meet line PQ at **k**

**24** The interior angle of a regular polygon is **900** more than it exterior angle

1. Find the size of exterior angle b) Name the polygon
2. Calculate the interior angle sum