

CHIKOWI ZONAL MOCK EXAMINATIONS

2026 PRIMARY SCHOOL LEAVING CERTIFICATE OF EDUCATION

MATHEMATICS

MARKING KEYS

21. (a). $1\frac{1}{5}$ decimal number

$$\begin{array}{r} 6 \\ 5 \overline{) 12} \\ \underline{5} \\ 10 \end{array} \quad \begin{array}{l} 1\text{M} \\ \\ \text{M1} \end{array}$$

$$= 1.2 \quad 1\text{A}$$

(b). 39,492

$$\begin{array}{r} + 3\,420 \\ 42\,912 \\ - 23\,425 \\ \hline 19\,487 \end{array} \quad \begin{array}{l} 1\text{M} \\ 1\text{M} \\ 1\text{M} \\ 1\text{A} \end{array}$$

22. (a).

2	30	60	50
5	15	30	25
	3	6	5

2M

$$\begin{aligned} \text{HCF} &= 2 \times 5 & 1\text{M} \\ &= 10 & 1\text{A} \end{aligned}$$

(b). $3\frac{1}{5} \times (16\frac{7}{8} - 9\frac{1}{2})$

$$7\frac{7-4}{8} \quad 1\text{M}$$

$$= 3\frac{1}{5} \times 7\frac{3}{8} \quad 1\text{M}$$



$$= \frac{16}{5} \times \frac{59}{8} \quad 1M \text{ M1}$$

$$\frac{118}{5} \quad 1M$$

$$= 23\frac{3}{5} \quad 1A$$

23. (a). 6, 349210
= Six hundred million three hundred and forty nine thousand two hundred and ten.

- (b). Cost of the car = 100%
Custom duty = 60% (K2340000)
If 60% = K2340000
100% = more?
$$= \frac{100}{60} \times \frac{2340000}{1} \quad M1. \text{ M1}$$

$$= 39000 \times 100$$

$$= K3900000 \text{ A1}$$

24. (a). Diameter = $\frac{\text{Circumference}}{\pi}$
$$= \frac{176 \text{ cm}}{\frac{22}{7}}$$

$$176 \text{ cm} \div \frac{22}{7} \quad 1M$$

$$\frac{176 \text{ cm}}{1} \times \frac{7}{22} \quad 1m.1m$$

$$= 56 \text{ cm}$$

Radius = $56 \text{ cm} \div 2 \text{ 1m}$
$$= 28 \text{ cm} \quad 1A$$

- (b). Total values = $18 \times 5 \text{ M1}$
$$= 90 \text{ M1}$$

Total for four numbers

$$26 + 10 + 14 + 20 \text{ M1}$$

$$= 70 \text{ A1}$$

$$\text{Fifth number} = 90 - 70$$



$$= 20 \text{ 1A}$$

$$25. (a). \quad \text{Total ratio : } 2 = 3 + 4 \quad 1\text{M}$$

$$= 9$$

$$\text{Equal share} = \frac{180}{9} \quad \text{M1} \quad \text{M1}$$

$$\text{Tamala} = 20 \times 2 = 40$$

$$\text{Madalo} = 20 \times 3 = 60$$

$$\text{Catherine} = 20 \times 4 = 80$$

26. (a). Area of uncovered part

= Area of a circle – Area of the square

$$= \pi r^2 - (L \times L) - (S \times S)$$

$$= \frac{22}{7} \times 70 \text{ cm} \times 70 \text{ cm} - 40 \text{ cm} \times 40 \text{ cm} \quad \text{M1} \quad \text{M1} \quad \text{M1}$$

$$= 15400 \text{ cm}^2 - 1600 \text{ cm}^2$$

$$= 15400$$

$$\frac{-1600}{13800} \quad \text{M1}$$

$$13800$$

$$= 13800 \text{ cm}^2 \quad 1\text{A}$$

$$27. (a). \quad 100\% = \text{K}48500$$

$$15\% = \text{less}$$

$$\frac{15}{100} \times \frac{\text{K}48500}{1} \quad 1\text{m.} \quad 1\text{m}$$

$$= \text{K}485 \times 15 \quad 1\text{M}$$

$$= \text{K}7275$$

$$\text{Therefore} \quad = \text{K}48500 + \text{K}7275 \quad 1\text{M}$$

$$= \underline{\underline{\text{K}55,775}} \quad 1\text{A}$$

(b).

$$(i). \text{ Difference: } 200 - 25 \quad 1\text{M}$$

$$= 175 \quad 1\text{A}$$

$$(ii). \text{ Mean} = \frac{135 + 50 + 150 + 200 + 100 + 25}{6} \quad 1\text{M}$$

$$\frac{660}{6}$$

$$110$$

$$= 110 \quad 1\text{A}$$

SECTION A : MULTIPLE CHOICE

1. B

2. A



3. B
4. B
5. A
6. C
7. A
8. B
9. C
10. C
11. D

12. D
13. C
14. C
15. C
16. B
17. A
18. B
19. D
20. D

THE END

