

HISABATI 2018 - MTHANI WA KUMALIZA ELIMU YA MSINGI

Imeandaliwa kwa ajili ya: [Maktaba by TETEA](https://maktaba.tetea.org)

na Yohana Lazaro

1. B
2. A
3. E
4. C
5. D
6. E
7. A
8. C
9. B
10. D
11. E
12. A
13. C
14. D
15. B
16. E
17. D
18. C
19. C
20. B
21. C
22. D
23. B
24. D
25. C
26. C
27. E
28. A
29. B
30. D
31. B
32. E
33. D
34. A
35. C
36. D
37. B
38. C
39. E
40. A
41. $(-12 - 3) \times (+6 - 3)$

$$(-12 + 3) \times (6 + 3)$$

$$(-9) \times (9)$$

– 81 **jibu**

42. Nyuzi za mengineyo, $= 360^\circ - (10^\circ + 110^\circ + 150^\circ) = 90^\circ$

$$\text{Gharama za mengineyo} = \frac{90^\circ}{360^\circ} \times 720,000 = \frac{1}{4} \times 720,000 = 180,000$$

TSh. 180,000 **jibu**

43. Eneo la mraba = upande $\times$ upande

$$= \text{sm } 42 \times \text{sm } 42 = \text{sm}^2 1764$$

$$\text{Eneo la duara: } A = \pi r^2$$

$$A = \frac{22}{7}(21)^2 = \text{sm}^2 1386$$

$$\text{Eneo lililotiwa kivuli} = \text{eneo la mraba} - \text{eneo la duara}$$

$$= 1764 - 1386 = 378$$

Eneo lililotiwa kivuli ni sm^2 378

44. Siku ya kwanza = kg 74.6

$$\text{Siku ya pili} = \text{kg } 9.53$$

$$\text{Jumla} = 74.6 + 9.53 = 84.13$$

Alinunua kilogramu 84.13

45. Magodoro $6 \times 80,000 = 480,000$

$$\text{Viti} \quad 10 \times 20,000 = 200,000$$

$$\text{Meza} \quad 5 \times 40,000 = 200,000$$

$$\text{Jumla ya matumizi} = 480,000 + 200,000 + 200,000 = 880,000$$

$$\text{Kiasi kilichobaki} = 1,000,000 - 880,000 = 120,000$$

Alibakiwa na sh. 120,000