JAMHURI YA MUUNGANO WA TANZANIA
BARAZA LA MITIHANI
MTIHANI WA KUMALIZA ELIMU YA MSINGI

04 **HISABATI**

Muda: Saa 2:00 **Jumatano, 09 Septemba 2015 asubuhi**

Maelekezo

1. Karatasi hii ina sehemu A, B na C zenye maswali **hamsini (50).**
2. Jibu maswali **yote** katika kila sehemu.
3. Soma maelekezo yote yaliyoko katika **karatasi maalum ya kujibia (OMR)** na kujaza taarifa zote.
4. Andika **Namba yako ya Mtihani** kisha **weka kivuli** kwenye tarakimu za namba hiyo mahali panapohusika kwenye karatasi yako ya kujibia.
5. Kokotoa kila swali na kisha **weka kivuli** kwenye herufi ya jibu lililo sahihi kwa kila swali katika karatasi yako ya kujibia uliyopewa, kwa mfano kama jibu sahihi ni A weka kivuli kama ifuatavyo:

[A]	[B]	[C]	[D]	[E]

6. Ukigundua kuwa herufi uliyowekea kivuli **si jibu sahihi,** futa kivuli hicho kwa umakini kwa kutumia **kifutio safi** kabla ya kuweka kivuli katika herufi mpya.
7. Tumia penseli ya **HB** tu.
8. Simu za mkononi na vikokotozi **haviruhusiwi** ndani ya chumba cha mtihani.

DMP-C3

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SEHEMU A: MATENDO YA KIHISABATI

Katika swali la 1 – 25, kokotoa swali ulilopewa na kisha **weka kivuli kwenye herufi ya jibu lililo sahihi** katika karatasi yako ya kujibia.

NA	SWALI	SEHEMU YA KAZI
1.	$225 + 59 + 3,772 =$ A 4,046 B 3,956 C 4,056 D 4,057 E 3,946	
2.	$80,709 - 5,987 =$ A 75,822 B 74,722 C 75,922 D 74,812 E 75,722	
3.	$170.2 \div 74 =$ A 2.30 B 2.40 C 2.03 D 3.02 E 3.20	
4.	$94 \times 765 =$ A 71,910 B 71,470 C 61,470 D 71,610 E 71,510	
5.	$3\frac{3}{5} + 1\frac{2}{3} =$ A $4\frac{6}{15}$ B $4\frac{5}{8}$ C $5\frac{3}{15}$ D $5\frac{4}{15}$ E $5\frac{5}{8}$	

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NA	SWALI	SEHEMU YA KAZI
6.	$5\frac{2}{3}-2\frac{1}{4}=$ A $3\frac{2}{12}$ B $3\frac{4}{12}$ C $3\frac{11}{12}$ D $3\frac{5}{12}$ E $3\frac{7}{12}$	
7.	$-14\times(-19+16)=$ A -48 B 48 C 42 D -42 E 49	
8.	$(^{+}17)+(^{-}35)=$ A -52 B -18 C 18 D 42 E 52	
9.	$16\frac{1}{2}\div 6\frac{1}{3}=$ A $\frac{16}{6}$ B $\frac{19}{3}$ C $\frac{33}{2}$ D $\frac{99}{38}$ E $\frac{99}{19}$	
10.	$7,590\div 15=$ A 516 B 56 C 506 D 65 E 605	

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NA	SWALI	SEHEMU YA KAZI
11.	$30.24 \div 12 =$ A 2,520 B 25.20 C 252 D 2.52 E 0.252	
12.	$19.62 + 6.35 + 21.1 =$ A 47.70 B 47.98 C 46.07 D 46.98 E 47.07	
13.	Ikiwa $m = -7$ na $n = -5$, tafuta thamani ya $\frac{m+n}{n-m}$. A -12 B 2 C 1 D 6 E -6	
14.	Kokotoa thamani ya $12-\left(^{-}24\right)+\left(^{-}9\right)\times 4$. A 0 B 48 C -48 D 72 E 108	
15.	Tafuta zao la namba tasa zilizopo kati ya 1 na 10. A 384 B 210 C 945 D 1,890 E 3,840	

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NA	SWALI	SEHEMU YA KAZI
16.	Tafuta Kigawo Kikubwa cha Shirika (K.K.S) cha 12, 24 na 36. A 6 B 12 C 24 D 36 E 72	
17.	Andika $4\frac{1}{5}\%$ kuwa sehemu. A $\frac{1}{500}$ B $\frac{2}{500}$ C $\frac{4}{500}$ D $\frac{21}{500}$ E $\frac{20}{500}$	
18.	Rahisisha $3(m-n)+5n-7m.$ A $4m-2n$ B $-4m-2n$ C $2n-4m$ D $3m-3n$ E $-4m-8n$	
19.	Tafuta thamani ya y iwapo $\frac{3y-5}{7}+y=5.$ A 2 B 6 C 4 D 8 E 5	
20.	Kuna $\frac{1}{3}$ ngapi katika $\frac{41}{3}$? A $4\frac{5}{9}$ B $13\frac{2}{3}$ C $\frac{9}{41}$ D 9 E 41	

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NA	SWALI	SEHEMU YA KAZI
21.	Badili namba ya kirumi CMXCIX kuwa namba ya kawaida. A 9,999 B 99 C 999 D 99,999 E 999,999	
22.	Andika namba inayokosekana katika mfululizo huu: 1, 4, ___, 16, 25. A 5 B 6 C 9 D 10 E 12	
23.	Tafuta Kigawe Kidogo cha Shirika (KDS) cha 6, 9 na 12. A 3 B 36 C 54 D 72 E 108	
24.	Tafuta thamani ya A iwapo $2\frac{1}{4} : A = 12 : 48$. A 4 B 8 C 9 D 12 E 48	
25.	dm sm mm 4 3 5 – 1 4 6 A dm 2 sm 8 mm 9 B dm 2 sm 9 mm 9 C dm 3 sm 8 mm 9 D dm 2 sm 8 mm 1 E dm 1 sm 8 mm 8	

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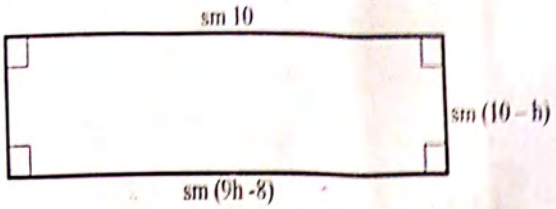
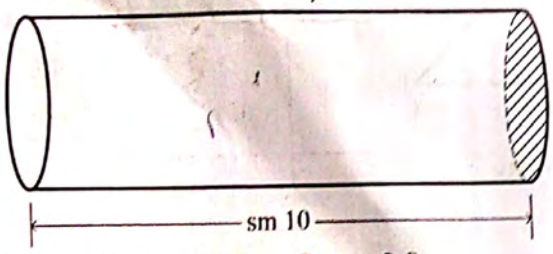
SEHEMU B: MAUMBO

Katika swali la 26 – 38, ainisha mahitaji ya swali, kokotoa jibu na kisha **weka kivuli kwenye herufi ya jibu lililo sahihi** katika karatasi yako ya kujibia.

NA	SWALI	SEHEMU YA KAZI
26.	Tafuta eneo la mstatili ufuatao:  A sm^2 2 B sm^2 8 C sm^2 36 D sm^2 80 E sm^2 20	
27.	Tafuta kipenyo cha mcheduara ufuatao iwapo ujazo wake ni sm^3 61.6. (Tumia $\pi = \frac{22}{7}$)  A sm 1.4 B sm 1.96 C sm 2.8 D sm 6.16 E sm 3.92	

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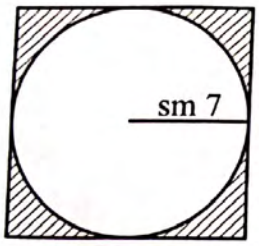
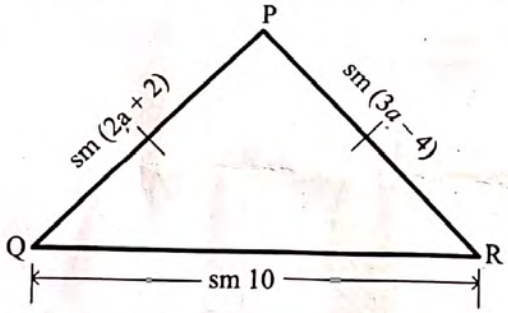
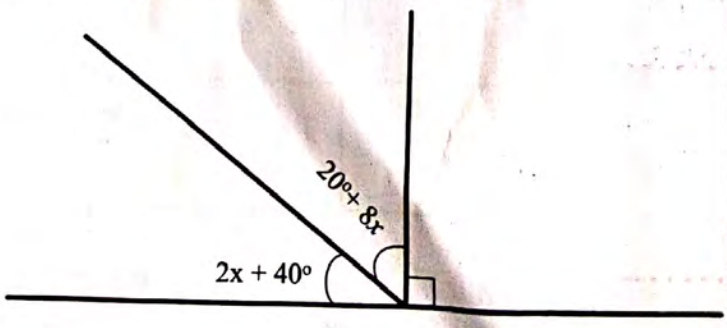
NA	SWALI	SEHEMU YA KAZI
28.	Tafuta eneo lililotiwa kivuli iwapo duara lililochorwa ndani ya mraba lina nusu kipenyo cha sm 7. (Tumia $\pi = \frac{22}{7}$)  A sm^2 154 B sm^2 49 C sm^2 32 D sm^2 42 E sm^2 196	
29.	Tafuta mzingo wa pembetatu pacha PQR.  A sm 6 B sm 14 C sm 28 D sm 22 E sm 38	
30.	Tafuta thamani ya x katika umbo lifuatalo.  A 46° B 44° C 3° D 10° E 12°	

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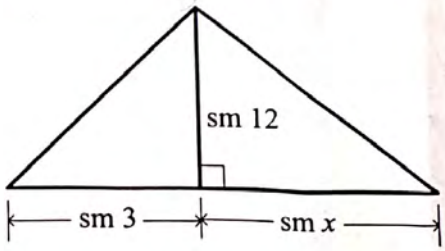
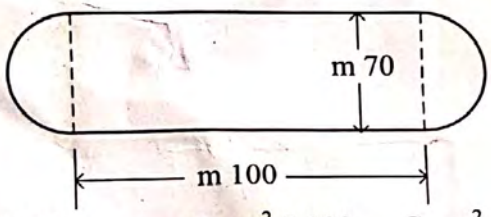
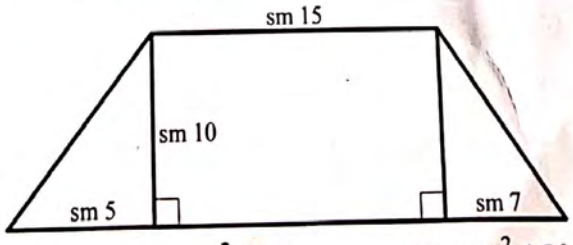
NA	SWALI	SEHEMU YA KAZI
31.	Eneo la pembetatu ifuatayo ni sm^2 66. Tafuta thamani ya x.  A 3 B 8 C 11 D 12 E 15	
32.	Tafuta eneo la kiwanja cha mpira wa miguu kilichooneshwa kwa umbo lifuatalo: (Tumia $\pi = \frac{22}{7}$)  A m^2 3,850 B m^2 7,000 C m^2 7,770 D m^2 10,850 E m^2 15,400	
33.	Tafuta eneo la trapeza ifuatayo:  A sm^2 70 B sm^2 105 C sm^2 150 D sm^2 210 E sm^2 50	

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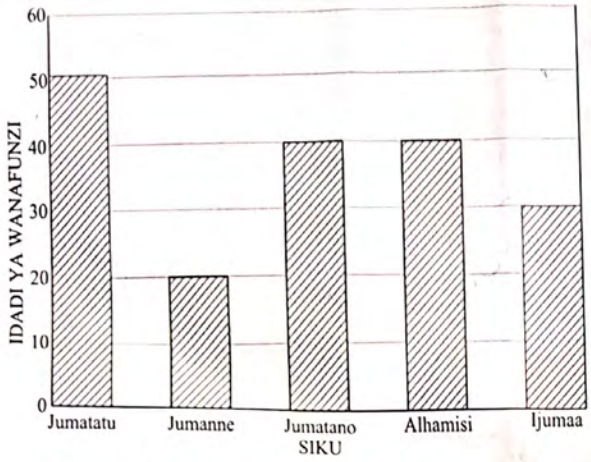
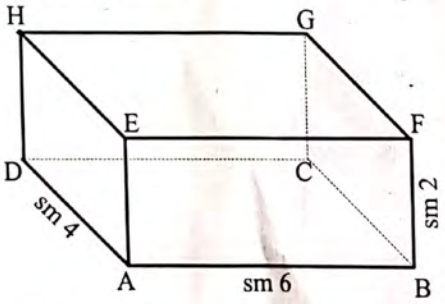
NA	SWALI	SEHEMU YA KAZI
34.	Kielelezo kifuatacho kinaonesha mahudhurio ya wanafunzi wa Darasa la Saba katika Shule ya Msingi Tumbi kwa siku tano za wiki. Tafuta wastani wa mahudhurio ya wanafunzi hao kwa siku.  A 180 B 50 C 36 D 30 E 20	
35.	Tafuta eneo la nyuso za mche mstatitili ufuatao ambao upo wazi upande wa HEFG.  A sm^2 88 B sm^2 64 C sm^2 48 D sm^2 44 E sm^2 40	

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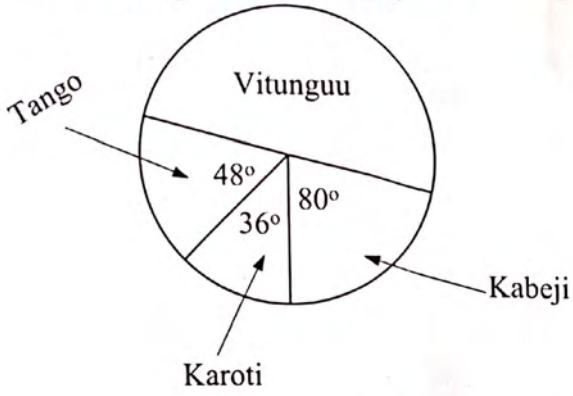
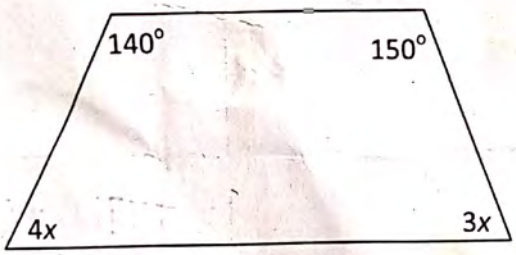
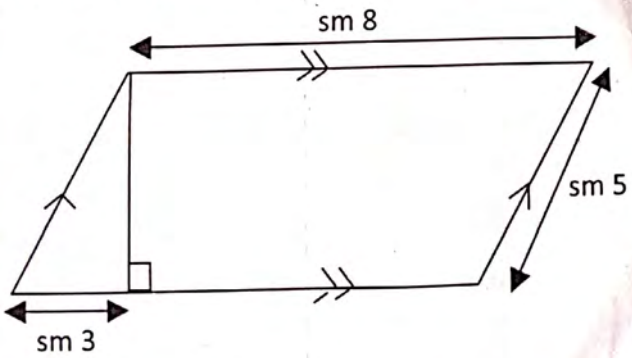
NA	SWALI	SEHEMU YA KAZI
36.	Shule ya msingi Ilembula ilivuna jumla ya kilogramu 4,500 za mboga mbalimbali kama inavyoonekana katika grafu kwa duara ifuatayo. Tafuta idadi ya kilogramu za vitunguu zilizovunwa.  A 2,050 B 196 C 2,450 D 1,050 E 164	
37.	Tafuta thamani ya x katika umbo lifuatalo:  A 10° B 30° C 40° D 140° E 150°	
38.	Tafuta eneo la msambamba ufuatao:  A sm^2 24 B sm^2 32 C sm^2 40 D sm^2 12 E sm^2 25	

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SEHEMU C: MAFUMBO

Katika swali la 39 – 50, ainisha mahitaji ya swali, kokotoa jibu na kisha **weka kivuli kwenye herufi ya jibu lililo sahihi** katika karatasi yako ya kujibia.

NA	SWALI	SEHEMU YA KAZI
39.	Zebedayo ana ng'ombe 7 wa maziwa. Iwapo kila ng'ombe hutoa lita 5 za maziwa kila siku, je, hupata lita ngapi kwa wiki? A 215 B 225 C 235 D 245 E 255	
40.	Perima ana noti na sarafu za kitanzania kama ifuatavyo: noti 2 @ sh. 10,000; noti 3 @ sh 5,000; noti 4 @ sh. 2,000; noti 5 @ sh. 1,000 na noti 10 @ sh. 500. Pia ana sarafu 5 @ sh.200 na sarafu 4 @ sh. 100. Je, jumla ana kiasi cha shilingi ngapi? A 58,400/= B 54,400/= C 19,800/= D 34,400/= E 48,400/=	
41.	Musa aliweka fedha katika benki inayotoa riba ya asilimia 5 kwa mwaka. Iwapo aliweka fedha hizo kwa muda wa mwaka mmoja na kupata faida ya sh 2,500. Je, aliweka benki shilingi ngapi? A sh. 5,000 B sh. 50,000 C sh. 500,000 D sh. 50,005 E sh. 5,005	
42.	Kazaroho alijibu kwa usahihi maswali 45 kati ya maswali 50 ya mtihani wa somo la Kiswahili. Je, Kazaroho alipata asilimia ngapi? A 95 B 45 C 5 D 50 E 90	

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NA	SWALI	SEHEMU YA KAZI
43.	Shule ya msingi Maendeleo ina walimu 28 ambapo kati yao walimu 18 ni wa kike. Je, walimu wa kiume ni sehemu gani ya walimu wote? A $\frac{18}{28}$ B $\frac{9}{14}$ C $\frac{5}{14}$ D $\frac{5}{9}$ E $\frac{5}{28}$	
44.	Shule ya msingi Maendeleo ina chumba cha mikutano cha urefu wa meta 12 na upana wa meta 5.5. Iwapo ndani ya chumba hicho eneo la $m^2 2.5$ limetengwa kwa ajili ya kuweka nyaraka mbalimbali, tafuta eneo lililobakia. A $m^2 66$ B $m^2 68.5$ C $m^2 62.5$ D $m^2 63.5$ E $m^2 53.5$	
45.	Moga na Juma waligawana shilingi mia moja ishirini na tano elfu katika uwiano wa 2:3 kwa mfuatano huu. Je, Juma alipata shilingi ngapi? A 25,000/= B 50,000 C 62,500/= D 75,000/= E 100,000/=	
46.	Gari la Maganga husafiri umbali wa km 20 kwa mwendokasi wa km 80 kwa saa. Je, hutumia muda gani kukamilisha safari yote? A saa 0.25 B saa 0.5 C saa 2.00 D saa 4.00 E saa 8.00	

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NA	SWALI	SEHEMU YA KAZI
47.	Kitabu kinauzwa shilingi elfu saba mia tano katika duka la Jamali. Iwapo mwenye duka atatoa punguzo la asilimia kumi, je kitabu hicho kitanunuliwa kwa shilingi ngapi? A 7,500/= B 7,490/= C 8,250/= D 6,750/= E 750/=	
48.	Mshahara wa Kambona ni shilingi 456,500 kwa mwezi. Ikiwa mshara huo utapanda kwa asilimia 26, je, mshahara mpya utakuwa ni kiasi gani? A sh 118,690 B sh 456,526 C sh 337,810 D sh 574,090 E sh 575,190	
49.	Mfanya biashara aliuza sukari kwa miezi mitatu kama ifuatavyo: Januari kilo 1,500, Februari kilo 2,500 na Machi kilo 1,250. Je, jumla aliuza tani ngapi za sukari? (Tani 1 = kilogramu 1,000) A tani 4.25 B tani 425 C tani 5.25 D tani 6.25 E tani 5,250.	
50.	Uzito wa matunda yaliyouzwa katika soko la Mikunda kwa siku nne mfululizo ilikuwa kama ifuatavyo: **Siku** | Jumatatu | Jumanne | Jumatano | Alhamisi **Uzito (tani)** | 2 | $1\frac{1}{2}$ | $\frac{1}{2}$ | $2\frac{1}{2}$ Je, wastani wa kilo za matunda zilizouzwa sokoni kwa siku ilikuwa kiasi gani? A kg 1,625 B kg 1,375 C kg 1,250 D kg 1,500 E kg 6,500	

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