MUKONO DISTRICT EXAMINATIONS BOARD 2024.

P.7 MOCK EXAMINATIONS MATHEMATICS MARKING GUIDE

| No | SOLUTION | AWAR | COMMENT |
|----|---|----------------|--|
| 1, | A / | පිටු | For 64 |
| ₹. | \$ 2024 = Two thousand twenty -four | 62 | For CAO |
| 3 | $9^{\circ} + 10^{\circ} - y^{\circ}$ = $(1+1) - 1$ = $2 - 1$ | M _I | for correct morking for 1 |
| | K={r,a,t} Subsets of et K are; { y, {ry, {ay, {ty, {a,t}, | Bl Bl | For Ersty For Erg |
| 5 | 2, 3, 5, 7, 11 (Prime number) | | For 11 |
| 6. | -7-(-3) = -7+3 -73 = -4 | M _I | For Simplifying the integers |
| 7. | 9 2 | B2 | For the correct showing of the hands. Reject the frank athour hand at exactly 3. |
| | 8 8 6 5 4 | | |

| | - | · · · · · · · · · · · · · · · · · · · |
|---|----------|--|
| Sum of data = Mean No of data = 5 $\frac{4+5+0+x+7}{5} = 5$ $\frac{x+16}{5} = 5x5$ $\frac{x+16}{9} = 25=16$ | M. | For correct answer only |
| X+16-16 = 9 X | B1 B1 | for correct working. |
| 3: 4 = (3) 2 + 20) Parts $= 15 parts$ | | |
| Let Balainge's age be hyears Thieny's age Babinge's age Total age $(h+18)$ years Hyears $h+18+h=48$ $h+h+18=48$ $2h=30$ $2h=30$ $3h=20$ $3h=30$ | 31 | for correct formation if the eqn. For 33 years |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | MI | For Correct Substitution. For Correct answer only Reject wrong units. |

| | Contract of the Contract of th | | |
|-----------------------|--|-----------|---|
| 1stn | First the = frocluct of the LCm and rep = 120×10 $\times 40 = 120 \times 10$ | o M Ar | For Correct misting For Correct misting For Correct misting For Correct misting (30) Mathod 2 Oftering = GZF X LCM Ground no My Ofter no = 120 X 100 Ho Ofter no = 30 VAT |
| 6 | : ak = ax k = -3x-4 = 12 | M | For correct substitution |
| b(a | (a-k) (ax-3)-(-4) (-6+4) | A | For - 24 |
| = 1 | 2x-2 - 24 | | |
| 4. 2'XT | Cal- | M | For Correct Subolitations |
| | 7 44r x 7 = 88 x 7 7, 44, = 14dm | , A | For r = 14cm (leject wrong units |
| 15 Px | X X X | M | For correct formation |
| X+ X 2x+ x 2x+5 | +到 = 181 | | For 65°. |
| | | 7 | |

| | The same | |
|--|----------|--------------------------|
| 6. GIRLS DAYS Sgirtake 8 hours 1 girl takes (5x8) hours | M_I | For correct norking |
| 2 girls takes 40 hours | AT | For Cto. |
| agirls take 20 hours. | | |
| 01 1005 | MI | For Correct working |
| 1 picture tomatoes rep. 8 tomatoes 1 picture tomato rep. 8 tomatoes 5 picture tomatoes rep. (4x5) tomatoes | | For 20 tomatoes |
| 5 picture tomatoes rep. 20 tomatoes | | • |
| 18 | Bi | h) Q |
| KX . | ρ, . | |
| | | By for the arcs |
| | , | PI for the perpendicular |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | MI | For Correct working |
| 2 1 - | ۱, | |
| カ+カーコ = 3-カ カ+カーコ = 1 | M | for t |
| The states III | a | |

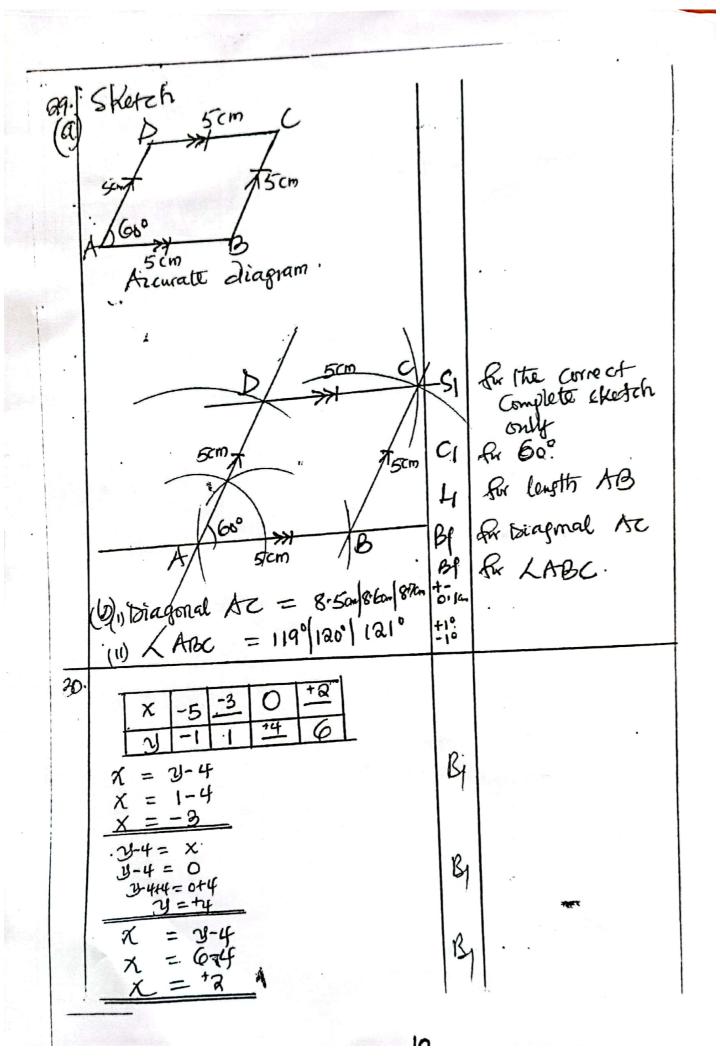
| SECTION B (60 MAPKS |) | |
|---|---------|--|
| 21 (a) 18+m 3 | BI | For Completing the venn danguar Correctly |
| 21 0 $m+18+15 = 40m+33 = 40m+33-33 = 40-33m = 7$ | Mi M | For the tormication of the correct eqn for $m=7$ |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | BI | For the 32 For n(E) = 50 |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 18 D 10 | Fu -7 Fix to arrow |
| (c) $q = +12$ let the additive inverse be h #5+.h = 0 +12+h=0 +5-5+h = 0-5 +12+h=0-12 $h = -12$ | BI | of the delditive inverse |

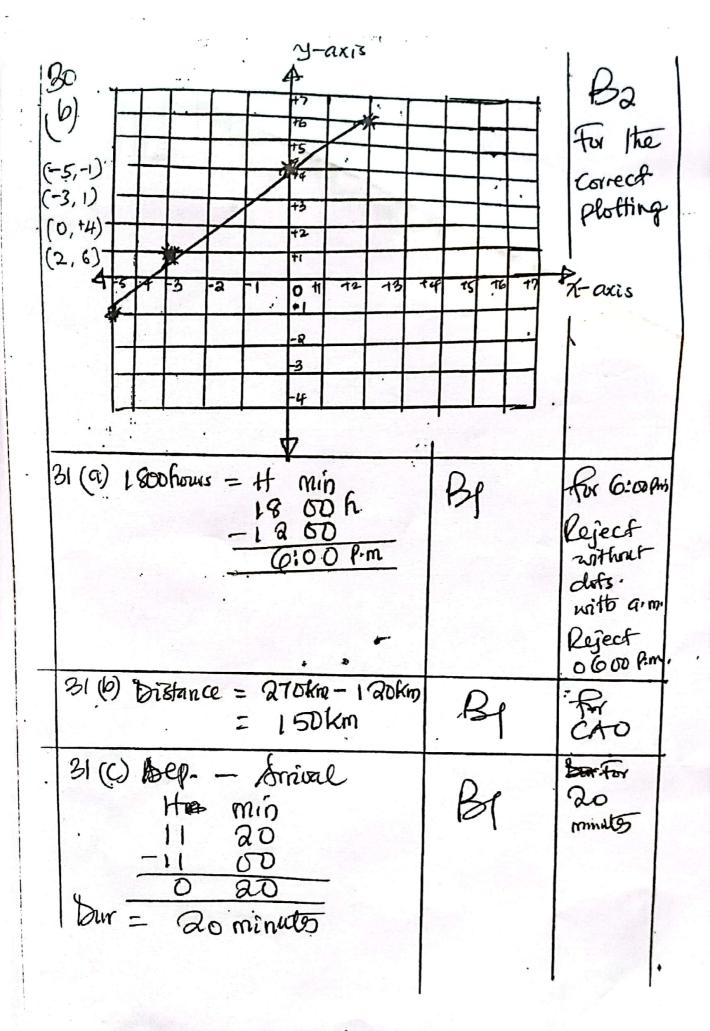
| 1 | 1 | in | 2 | |
|------|---|--|------|-------------------------------------|
| 23. | 18t m andre Bretro 4thre Tot | - 111 | | |
| | 18t m andre 3retro 41/1 re Tot m m+4 m+8 m+12 10 | | MI | For the formation of the correct of |
| | m+m+4+m+8+m+12 = 107 | - 11 2041 | | of the correct-on |
| · | m+m+m+4+8+12 = 100 | 1 001 | il. | £ 4 0 0 0 0 |
| Rc . | 4m + 24 = 10 | - 11 1 | " | For collecting like |
| | 4m+ 24-24 = 10 | 11 1 | | tums |
| | 24m = 8 | | | · Marcol. |
| | 'Afm = 8 | 20 | 4 | For the value |
| | . 4, |), | ', | of m |
| - in | m = 8 | | 31/ | For the numbers |
| 4 | The numbers are; M, M+4, M+8 | | 1 | |
| | = 20, 20t4, 20t | | | |
| | = 20, 24, 28 | The state of the s | | |
| वपृ. | Mi and $k = \frac{1}{3}$ | LCB (| 20 | for Pepsi (to) |
| | kem = 1-5 = 2 | 236 | 7 | 192 (6) |
| | = 2/3 Repsi = 2/x L | = 3x8 | 31 | Rov Coca cola (1) |
| | Repsi = xxxx 3 xxx | = @ | | |
| 2 1 | = £ | | | |
| 1 1 | Coca Cola = 2 - 1 TOTAL 1 | JE OF | | , |
| 144 | 3 6 SPECT | ATOKS | | |
| | = (2x2)-(1x1) = (31)+ | - Spectative N | NIS | or correct working |
| | = 4-1 | 0) | - | . 0 |
| | =60x | 2) Speciator M | 1/1/ | For Correct working |
| | 72. | 1 | 1 | \cap |
| | Coca cola = = = 60 | Spectativs A | 1 14 | The Go spectators |
| | ,' | | | |
| | × | | | |
| | | 1 | | |
| | | | | |

| $25 (6) 5x = 3x+8$ $5x-3x = 3x-6x+8$ $2x = 8$ $\frac{2x}{3} = \frac{5}{3}$ $x = 4$ | | M | For X=4 |
|--|---------------------------------|------------|---|
| 25 (b) Aztrul = 5x cm Length = 5(4) cm = 20 cm | | Bj | for actual brotts |
| Area = Lxw A = 20 cmx A = 100 cmx | (5cm | BI | for area = 100 cm² |
| P = 2(3) $P = 2x$ $P = 5x$ | locmt Scm) 25cm | B | Reject wong units For Perimeter = 50 cm |
| Magical Sum = $(81+2)$ + $(11+2$ | nt 257 93+1=64 nt 49-49=6449 | ep f ep | For $K = 29$ For $N = 17$ For $N = 15$ For $N = 27$ For $P = 3$ |

| 276) 250 US dollars to Ugeti (FBM) | ر ا برا | |
|---|---|-------------------------|
| = 250 x Ugch 3800 | MI | For correct |
| = Ugch *38000 x 25 | | 0 |
| Ugeh 190000 + 760000 Ugeh 950,000 | A | For CAO |
| 195h 2078400 to Round startings (USD) - (Ugsh 2078400) Round Startings | M | For Correct norkring |
| 16 3 2 | | |
| = Ugsh 2071584 Rouref steilings = 433 hound Steilings. | AT | For the correct |
| =1600 x selget 35 | R | 1 for tigsh 56,000 |
| = ugsh 56,000 to Us dollars (usb) | | |
| = (Ugok 56,000) US dollars | B | 1 for 14 us |
| = 14 US deflars. | 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - | dollars |
| | | |

18 NE of Small boxos Follow through W= = xxxxxx = (20cm x 21cm) x 21cm Small boxes M For correct = 20 cm x 19 cm x 21 cm Small small small small A For 900 small boxes. = (10×9×10) small locals 900 small boxes vot of the box (B) yof = Baxh by for the rot of the box (B) vof = (LXW) x h tof = (20cm x 19cm)x 21cm rof = 1380 cm 0380 cm3 +7 600 7 9 80 m² By For the rof-of type (A) vot of the small boxes (type A) = base area XS X 900 of = SXSXS X900 = 2cm x 2cm x 2cm x 900 $vol = 8 cm^3 \times 900$ $vol = 70 00 cm^3$ 18 of the empty space omphy space 7980 cm -7200 cm 780 cm





31 (d) verage Specd for the correct working of 278km rerase Spead 10h. 27KM Average Speed = -27km/h 1+1 = @ 2 Fox correct 2+2 = 1em 0 twiking two 1.0.0 0 two 2+2 = | rem 0 For the final 1+1 = 2 2+2 = | ramo Reject 1000 nothern the base $(1xy^2) + (0xy) + (0xy) = 27$ my for the formation y' + 0 + 2 = 27y+2-2 =27-2 y2 = 25 Jy2 = 785 My for final collection of like terms (1) xy) = (5x5