





11. From the Mathematical Papyrus Rhind

The MS belongs to the Hyksos Period and is a copy of a 12th Dynasty original

A.  $\frac{1}{2} \times 1 = \frac{1}{2}$


B.  $\frac{1}{2} \times 1 = \frac{1}{2}$

C.  $\frac{1}{2} \times 1 \times 1 = \frac{1}{2}$

D.  $\frac{1}{2} \times 1 \times 1 = \frac{1}{2}$

(49-52)

A

A.  $\frac{1}{2} \times 1 = \frac{1}{2}$

(Line 1)



Mö 558-79-558; Ga Z1-D1-Z1 *tp*



Mö 331; Ga N35 *n*



Mö 282-366-432-575-268-538;
Ga M17-O34-S29-X1-M2-Y1 *jst*



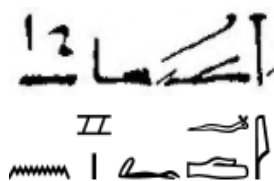
Mö 192B-525-575-562; Ga G1-V28-X1-Z4 *zht*



Mö 509-282; Ga W19-M17 *mj*



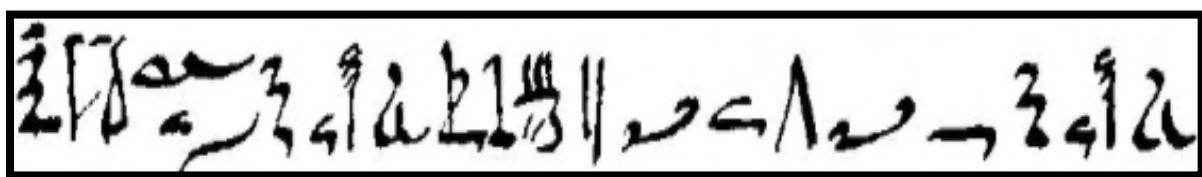
Mö XLVII-XIX; Ga I10:D46-N35:V31 *dd n.k*



Mö 282-263:115-101-324:558-331;
Ga M17-I9:D46-D41-N23:Z1-N35 *jfd n*

tp n jst zht mj dd n.k jfd n

(Line 2)



Mö 192B-525-575-562; Ga G1-V28-X1-Z4 *zht*



Mö 331; Ga N35 *n*



Mö 682-623; Ga M3-V20 *ht 10*



Mö 91B; Ga D21 *r*

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Mö 682-615; Ga M3-Z49 *ht 2*

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Mö VII-560-270-35; Ga Q3:X1*Z4-M4-A2 *pty*

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Mö 192B-525-575-562-263; Ga G1-V28-X1-Z4-I9 *zht.f*

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Mö 82:575; Ga D4:X1 *jrt*

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𐎡𐎠𐎢𐎣

Mö 509-282; Ga W19-M17 *mj*

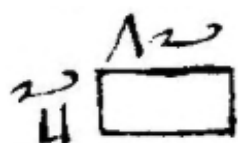
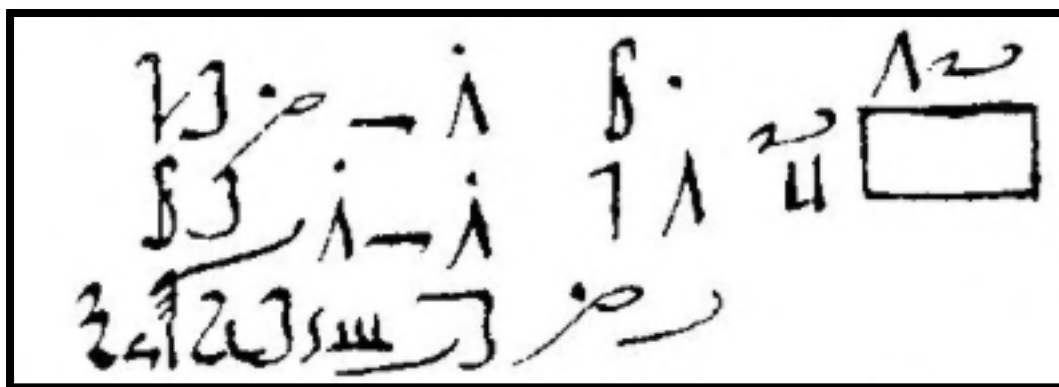
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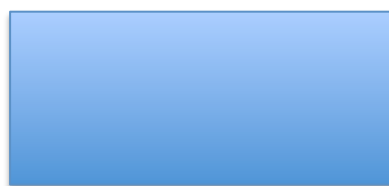
Mö 258; Ga L1 *hpr*

ḥt n ḥt 10 r ḥt 2 pty ʒḥt.f jrt mj ḥpr

(Line 3)



ḥt 2



ḥt 10



Mö 614-641-614-623-331-654-196B-650;
Ga Z1-M12-Z1-V20-N35-I8-G17-D50

wḥ ḥʒ wḥ mḏw n ḥfn m ḏbḥ
1 1000 1 10 n 100000 m 10,000

Mö 676-650-614-676-331-614-676-263-196B-641;
 Ga V20-D50-Z1-V20-N35-Z1-V20-I9-G17-M12

mḏw ḏbꜥ wꜥ mḏw n wꜥ mḏw.f m ḥꜣ
 10 10,000 1 10 1 10 1,000

Mö 632-654-II-263-388-200B-192C-V28-575-562;
 Ga V1-I8-N35:X1-I9-Q3-V1-G17-G1-V28-X1-Z4

št ḥfn ntḥ pw m zḥt
 100 100,000

B

191- ۱۲۳۴- ۱۲۳۵

Mö 558-79-558; Ga Z1-D1-Z1 *tp*Mö 331; Ga N35 *n*Mö 82:575; Ga D4:X1 *jrt*

Mö 192B-525-575-562; Ga G1-V28-X1-Z4 *zht*

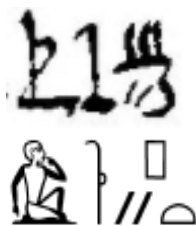
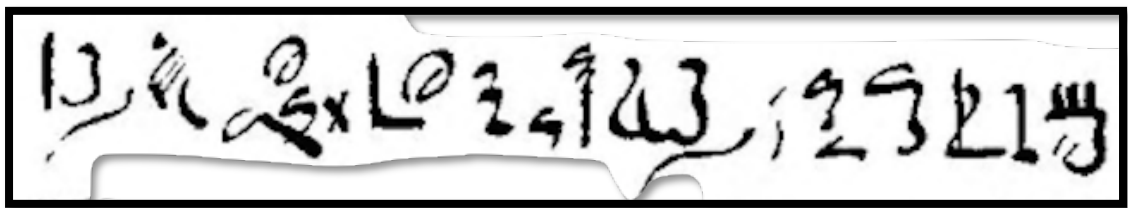
Mö 183:331-324-558-331; Ga F46:N35-N21-Z1-N35 *dbn n*



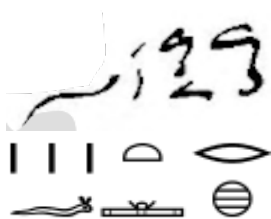
Mö 269-622; Ga M3-Z1[5]: (Z2*Z1) *ht* 9

tp n jrt zht dbn n ht 9

(Line 2)



Mö VII-560-270-35; Ga Q3:X1*Z4-M4-A2 *pty*



Mö XXVII-575:538-561:263;
Ga D21:Aa1-X1:Y1-Z2:I9 *rht.f*



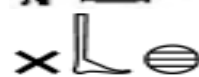
Mö 196B; Ga G17 *m*

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Mö 192B-525-575-562; Ga G1-V28-X1-Z4 *zht*

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Mö 574-124-565; Ga Aa1-D58-Z9 *hb*



Mö 574:91B:511; Ga Aa1:D21:V31 *hrk*



Mö 91:676-263; Ga D21:Z1[5]:Z2*Z1-I9 *r 9.f*

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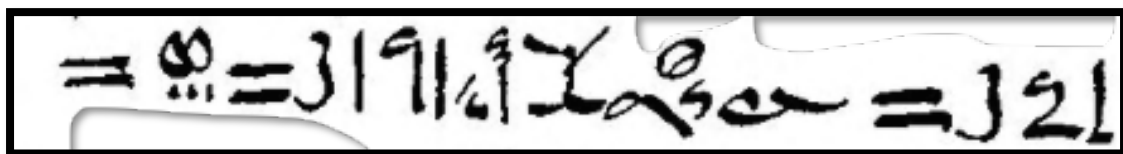
Mö 196B; Ga G17 *m*



Mö 614; Ga Z1 = 1

pty rht.f m zht hb hr.k r 9 m 1

(Line 3)



Mö 391-LV; Ga U28-X1:Z2 *dzt*



Mö 196B; Ga G17 *m*



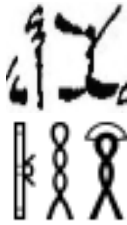
Mö 621; Ga Z1[4]:Z1[4] 8



Mö 82; Ga D4 *jr*



Mö 574:91B:511; Ga Aa1:D21:V31 *hrk*



Mö 398-525-538: Ga V29-V28-Y1 *wzh*



Mö 558-79-558; Ga Z1-D1-Z1 *tp*



Mö 196B; Ga G17 *m*



Mö 621; Ga Z1[4]:Z1[4] **8**



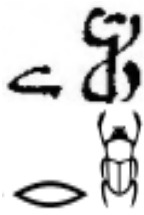
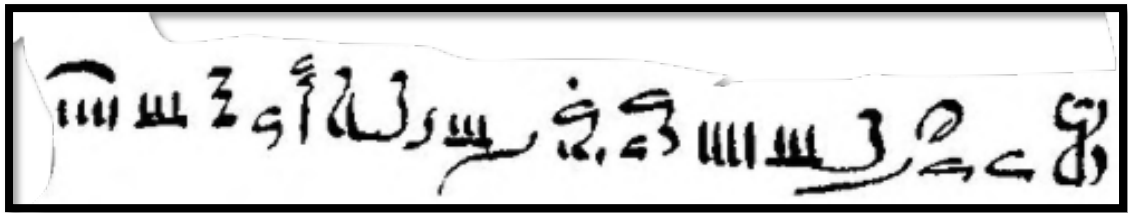
Mö 403; Ga O50 **X**



Mö 621; Ga Z1[4]:Z1[4] 8

d3t m 8 jr hrk w3h tp m 8 X 8

(Line 4)



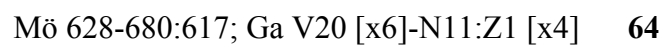
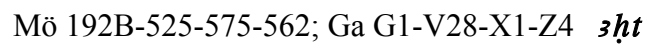
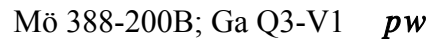
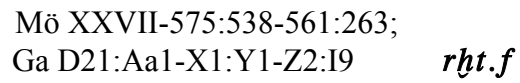
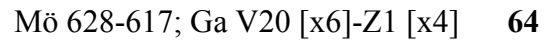
Mö 258-91B; Ga L1-D21 *hpr*



Mö 574:91B-263; Ga Aa1:D21-I9 *hr.f*



Mö 196B; Ga G17 *m*



hpr hr.f m 64 rht.f pw m zht 64

(Line 5)



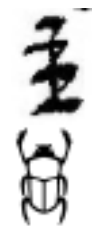
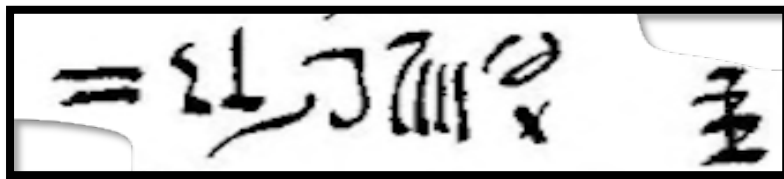
Mö 82:575-622; Ga D4:X1 *jrt 9*

(Line 6]



Mö 509-282-622-263-558-614; Ga W19-M17 **9** I9-Z1

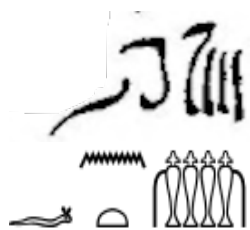
(Line 7)



Mö 258; Ga L1 *hpr*



Mö 574:565; Ga Aa1:Z9 *h[b]*



Mö 504-XX-263; Ga W18-N35:X1-I9 *hnt.f*



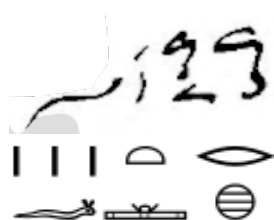
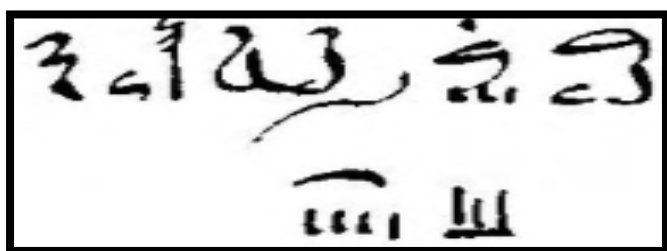
Mö 391-LV; Ga U28-X1:Z2 *dt*



Mö 621 8

hpr h[b] hnt.f dt 8

(Line 8)



Mö XXVII-575:538-561:263;
Ga D21:Aa1-X1:Y1-Z2:I9 *rht.f*



Mö 196B; Ga G17 *m*

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Mö 192B-525-575-562; Ga G1-V28-X1-Z4 *zht*

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Mö 628-680:617; Ga V20 [x6]-N11:Z1 [x4] 64

rht.f m zht 64

(Line 9-10)

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Mö 621-617-625-619 8 4 32

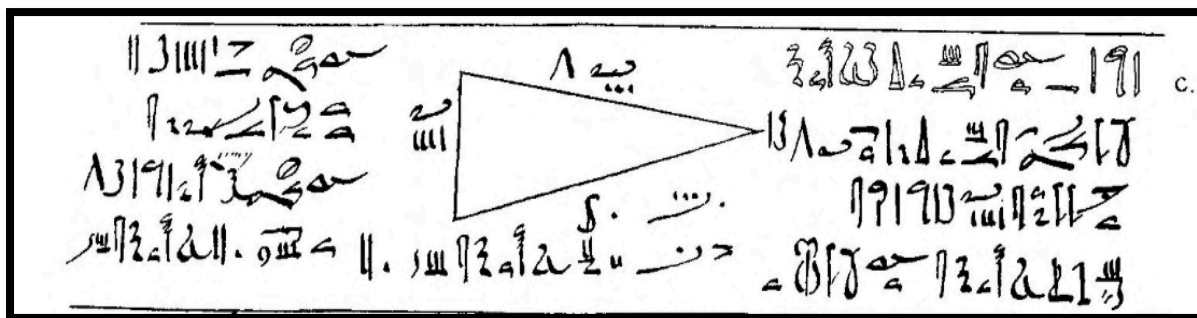
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Mö 623-619-621-628-617 16 8 64



Mö 682:622; Ga M3:9 *ht* 9 [within crude circle]

C.



(Line 1)



Mö 558-79-558; Ga Z1-D1-Z1 *tp*



Mö 331; Ga N35 *n*



Mö 82:575; Ga D4:X1 *jrt*



Mö 432-388:115-538-567; Ga S29-Q3:D46-Y1-M44 *spd*



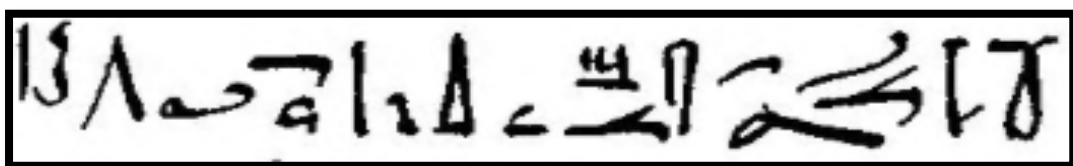
Mö 196B; Ga G17 *m*



Mö 192B-525-575-562; Ga G1-V28-X1-Z4 *zht*

tp n jrt spd m zht

(Line 2)



Mö 509-282; Ga W19-M17 *mj*




Mö XLVII-XIX; Ga I10:D46-N35:V31 *dd n.k*



Mö 432-388:115-538-567-323-558;
Ga S29-Q3:D46-Y1-M44-N21-Z1 *spd*



 Mö 331:575; Ga N35:X1 *nt*



Mö 269; Ga M3 *ht*



Mö 623; Ga V20 **10**

13



Mö 80B; Ga D2-Z1 *hr*

mj dd n.k spd n ht 9 hr

(Line 3)

191913 221212

221212
121212

Mö 465B:91B-283-575:323-432;
Ga U7:D21-M17-M17-X1:N21-S29 *mryt.s*

221212

1111

Mö 682:617; Ga M3:Z1[4] *ht 4*

13

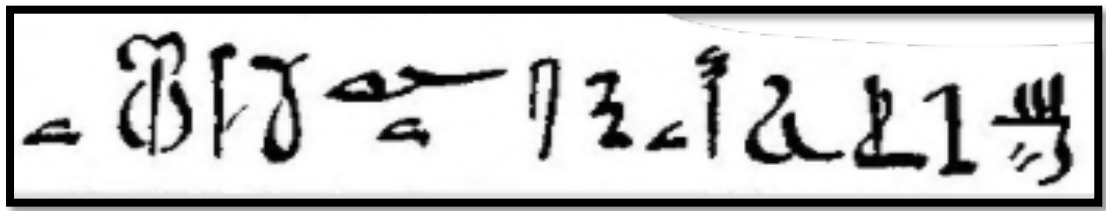


Mö 80B; Ga D2-Z1 *hr*

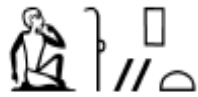
1919
121212

Mö 80-558-91B:558-432; Ga D1-Z1-D21:Z1-S29 *tp.s*

(Line 4)



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Mö VII-560-270-35; Ga Q3:X1*Z4-M4-A2 *pty*

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Mö 192B-525-575-562-432; Ga G1-V28-X1-Z2-S29 *zht.s*

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Mö 82:575; Ga D4:X1 *jrt*

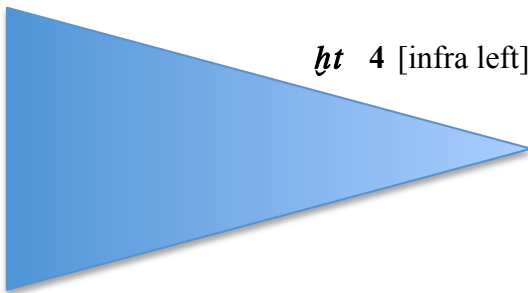
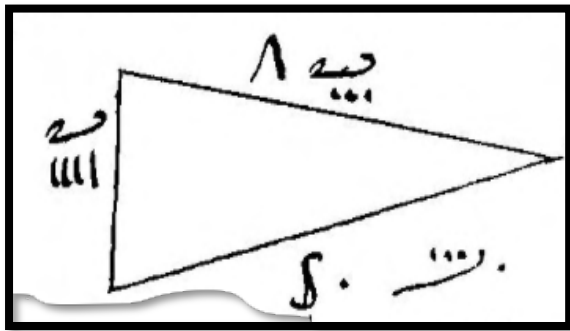


Mö 509-282; Ga W19-M17 ***mj***



Mö 258-91B; Ga L1-D21 ***hpr***

pty zht.s jrt mj hpr



ht 4 [infra left] Mö 682-623; Ga M3 ***ht*** 10

Mö 635-641; 400 1000

حزق ٥ ٢٠٠ ٢٠٠٠

حزق ٥ ٢٠٠ ٢٠٠٠

Mö 327-633-633-615-642 = ½ 200 2,000

حزق ٥ ٢٠٠ ٢٠٠٠
 ٢٠٠ ٢٠٠ ٢٠٠ ٢٠٠ ٢٠٠

Mö 192B-525-575-562-432-388-200B-615;
 Ga G1-V28-X1-Z2-S29-Q3-V1-Z49 2

zht.s pw 2

(Line 5)

حزق ٥ ٢٠٠ ٢٠٠٠

حزق ٥ ٢٠٠ ٢٠٠٠

Mö 82; Ga D4 *jr*

حزق ٥ ٢٠٠ ٢٠٠٠

Mö 574:91B-511; Ga Aa1:D21-V31 *hr.k*



Mö 327*558:331-617-196B-615;
Ga Aa13*Z1:N35-Z1[4]-G17-Z49 $\frac{1}{2}$ *n 4 m 2*

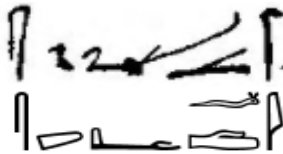
(Line 6)



Mö 91B; Ga D21 *r*



Mö 91B-II; Ga D21-D41:X1 *rdjt*

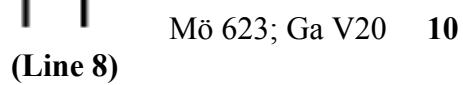
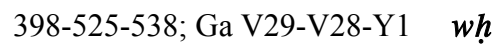
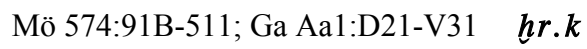


Mö 282-263:115-100-323-432;
Ga M17-I9:D46-D42-N21-S29 *jfd.s*

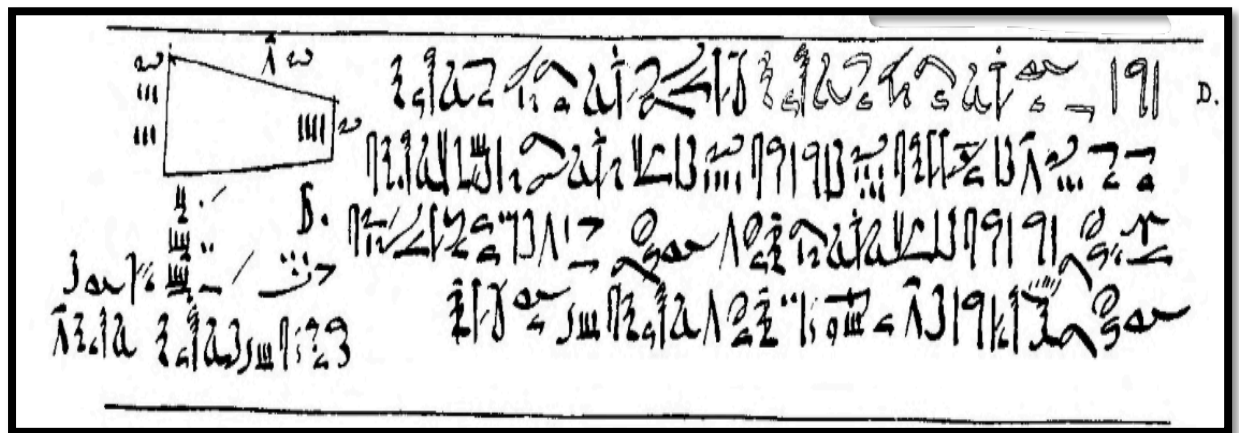
(Line 7)



Mö 82; Ga D4 *jr*



D



(Line 1)



171

1.51

Mö 558-79-558; Ga Z1-D1-Z1 *tp*

171

Mö 331; Ga N35 *n*

171

Mö 82:575; Ga D4:X1 *jrt*



Mö 278-192B-511:575-282:323*558;
Ga M15-G1-V31:X1-P10:N21*Z1

ḫ₃kt



Mö 331:575-196B-525-575-562;
Ga N35:X1-G1-V28-X1-Z3

nt ʒḫt



Mö 509-282; Ga W19-M17 **mj**



Mö XLVII-XIX; Ga I10:D46-N35:V31 **ḏḏ n.k**

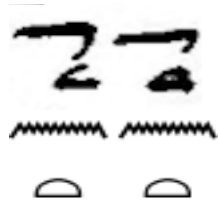
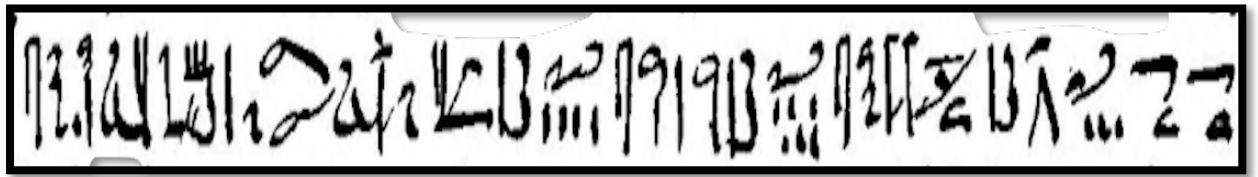


Mö 278-192B-511:575-382:323*558;
Ga M15-G1-V31:X1-P10:N21*Z1

ḫ₃kt

tp n jrt ḫ₃kt nt ʒḫt mj ḏḏ.n.k ḫ₃kt nt ʒḫt

(Line 2)



Mö 331:575-331:575 [sic!]; Ga N35:X1-N35:X1 *nt nt*



Mö 682:616-623; Ga M3:Z2-V20-V20 *ht 3 20*



Mö 80B; Ga D2-Z1 *hr*



Mö 465B:91B-283-575:323-432;
Ga U7:D21-M17-M17-X1:N21-S29 *mryt.s*



Mö 682:619; Ga M3:Z2*Z2 *ht 6*



Mö 80B; Ga D2-Z1 *hr*



Mö 80-558-91B:558-432; Ga D1-Z1-D21:Z1-S29 *tp.r.s*



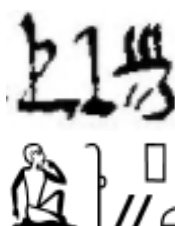
Mö 682:617; Ga M3-Z2*Z1 *ht* 4



Mö 221-192C; Ga G40-G1 *p3*



Mö 278-192B-511:382-323-558; Ga M15-G1-V31:P10-N21-Z1 *h3k*



Mö VII-560-270-35; Ga Q3:X1*Z4-M4-A2 *pty*



Mö 192B-525-575-562-432; Ga G1-V28-X1-Z2-S29 *zht.s*

nt [nt] ht 3 20 hr mryt.s ht 6 hr tpr.s ht 4 hr p3 h3k pry zht.s

(Line 3)



Mö 421:115-538; Ga S23:D46-Y1 *dmq*



Mö 574:91B:511; Ga Aa1:D21:V31 *hrk*



Mö 80-558-91B:558-432; Ga D1-Z1-D21:Z1-S29 *tpr.s*

13



Mö 80B; Ga D2-Z1 *hr*

242



Mö 221-192C; Ga G40-G1 *p3*

1241



Mö 278-192B-511:575-282:323*558;
Ga M15-G1-V31:X1-P10:N21*Z1 *h3k*

12



Mö 258; Ga L1 *hpr*

04



Mö 574:91B; Ga Aa1:D21 *hr*

1



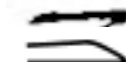
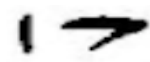
Mö 676; Ga V20 10



Mö 82; Ga D4 *jr*



Mö 574:91B-511; Ga Aa1:D21-V31 *hrk*



Mö 327:331-558; Ga Aa13:N35-Z1 *mn*



Mö 676; Ga V20 **20**



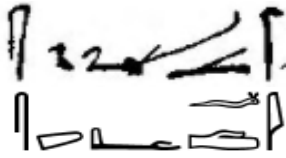
Mö 196B; Ga G17 *m*



Mö 618; Ga Z2*Z1*Z1 **5**

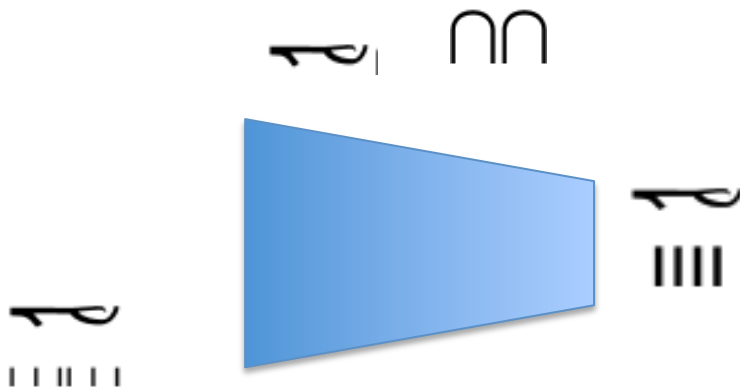


Mö 91B-II; Ga D21-D41:X1 *rdjt*

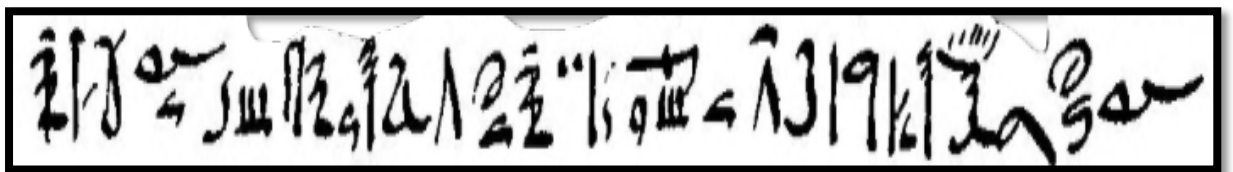


Mö 282-263:115-100-323-432;
Ga M17-I9:D46-D42-N21-S29 *jfd.s*

dmđ ħrk tpr.s ħr pə ħk ħpr ħr 10 jr ħrk mn 10 m 5 r rdjt jfd.s



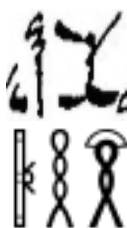
(Line 4)



Mö 82; Ga D4 *jr*



Mö 574:91B:511; Ga Aa1:D21:V31 *hrk*



Mö 398-525-538: Ga V29-V28-Y1 *wzh*



Mö 558-79-558; Ga Z1-D1-Z1 *tp*



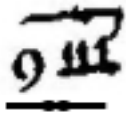
Mö 196B; Ga G17 *m*



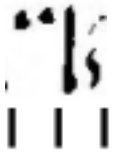
Mö 624 Ga 200



Mö 91B; Ga D21 *r*



Mö 366:388*403; Ga O34-Q3*O50 *sp*



Mö 618; Ga Z2:Z1*Z1 5



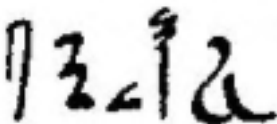
Mö 258; Ga L1 *hpr*



Mö 574:91B; Ga Aa1:D21 *hr*



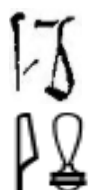
Mö 676; Ga V20 10



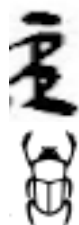
Mö 192B-525-575-562-432; Ga G1-V28-X1-Z2-S29 *zht.s*



Mö 388-200B-82:575; Ga Q3-V1-D4:X1 *pw jrt*



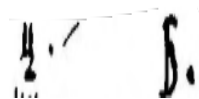
Mö 509-282; Ga W19-M17 *mj*



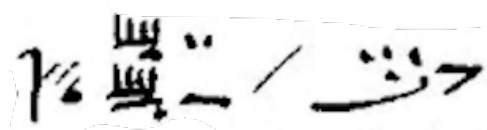
Mö 258; Ga L1 *hpr*

jr hrk w3h tp m 20 r sp 5 hpr hr 10 zht.s pw jrt mj hpr

(Line 6)



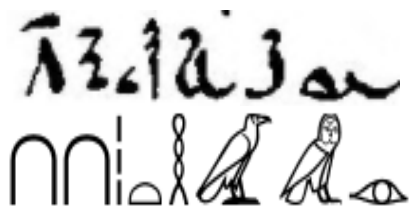
Mö 641-642 1,000 2,000



Mö 327-636-644:648-650

½ 500 4,000 8,000 10,000

(Line 7)



Mö 82-196B-192B-525-575-562-624;
Ga D4-G17-G1-V28-X1-Z3-V20-V20

jr m 3ht 20

(Line 8)



Mö XXVII-575:538-562-432-388-200B-196B-525-575-562;
Ga D21:Aa1-X1:Y1-Z3-S29-Q3-V1-G17-G1-V28-X1-Z3

rht.s pw m 3ht