A STUDY TO DATEPMINE THB DEGRGB OF HASTERY OF THE $\angle$ INLWUM
 M. NH TPAN CITY SCHOOLS

## by

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B. S. Kannas State Agrioultural Collogo, 1924

## A THiscis

subaitisd in partial fulfillment of the
requirements for the cegree of

WASTER OP SCIENCE

KANB, S STATAS COLLABAE
PF hORICULTURA AHD APILISD SCIEKCE

I wish to thank myajor instructor, Dr. C. V. fllllams of the Sducation Copartaent for his guidance in thls research work. Also, I 1sh to express to the bng11sh teschers of the Manhattin Junior algh School my appreciation for thelr cooperation in giving tests necessary to this research.

## ILBLE OF CMINATS

aCKal $)=3$ DUBKENT 2
2
3UP?OCE ..... 1
ミasauductiona ..... 5
4. FAHI LAS AN - PRUCSDU $=$ ..... 6
REF JMS OR I-ST
Tablo I ..... 19
" III ..... 22

- IV ..... 26 ..... 36- $V$
- VI ..... 37
* VIL ..... 38 ..... 39
RINDISUS ..... 40
CONCLUSIONS ..... 44
QEFEPRNCES ..... 49


## PURPOSE

After having taught several years in the English department of the Manhut tan Junior i.igh School, this etudy was undert ken for the purpnse of measuring the amount and kind of learning that wight be expected of funtor hlgh schnol students. The findings may prove suggestive as to the changes in content and mothod that vould be effective in proanting better learning.

## INTRODUCTIJN

Daring the sumaer of 1932 a test was complled coverIng the minleum ensentials of Erammar for tie juninr high achool claseas. In enaplling this test the conperation of the teachers of English in Wanhatian Junine Bigh Schonl and of the Department of English of Kinsas State was of great value. This etudy was undertaken to serve an a basis for twating and coop arling the knowledge of the minimum essentials of grammar in eeventh, of ghth, and ninth graden. The tudents were teated on material they had had in the provinus year's wrik in order to make a study of the total year's learning and to ascertain the difference in degree of learning, if any, due in repetition.

Although this test is not standardized, it reoresents the opinion of a large group of towchers of Engliah as to the range of onnt ont of subject matter for each of the three grades of Jun or high schnol.

The results secured in this test could not be taken as establishing norar although 483 students participated In tho atudy.

## MnT.RIv.LS AND PROCEDE DE

The first division of the test which is for the Beventh grade was cmpneed of furtoon parts whioh covered the following: the foreation or plurals, recognition of Bentencer, siaple anslysis (that 18 , reangrition of complete aubject and cnmplete predicate), clasaificetion of sentences as th use, rocognition of the parts of epesch, sgreament of verbs, corroot verb fores, case nf pronnuns and nouns, formation of possessives, corract use of certain verbs (such as sit, set; lie, lay; wise, raise), punctuation, cap1talisation, and the recognition of perBonal pronoxns. Thin part of the test wis built to include one hundred pointe.

The neonad division of the test con lated of seven parte, now, wi: 1 ch included new materi al taught in the of ghth grade. This saterial in luded the elus:ifioation of sentences as to structure, tive recotmitinn and 1 dentiflcation of dependent clades togethor with reasnns, the tense of verbs, the person of nouns and imonoune 11 th reasons, selection of the correct form of verbe and
reasons for ohilce, the rocognition of case of underlined nouns and pronouns $\mathbf{w}$ til reasons, and tho reongition of Inderinito pronouns. Thls part or the teat was built to include soventy-fuar pninte.

The third division con lated of neven parts which onvered the nell materl si tught in tio nint: grade. This division contained muterial mere difflcult for students to master than that of t'e other parts. These iteme included the abllity to reoggal so the difforence between hhrasas and clauses, abllity to clabsify difforent $k \ln$ of pronnuns, comparison of adjectives and edverbe, recngnitinn and 1 dentification of v rbals (gorunde, surticinles, ard infinitives), voice of virb, fand of veris, and the punctuation anc capltali ation of averal paragrap: 8 . This part of the tast ras built in incluce 126 pnints.

As the gramar work wap completed in each grade these teste were given th the atudents of Manhat tan Ju inr High Schol. A tot il of 483 studentre took them. Divislar one thith consisted of frurteen sarts was given th the seventh grade. One hundrod and soventy-nIne pupIls tnok the test. The perfoct senre was 100 points. The highest senre eade was ninety-seven points. One atudent wade the ninety-seven
polnts: two mido forly-four polnts, tho lowest sonre. The median was seventy-four polnte.

The test which was given to the 123 elghth grade students lacluded divislan se for the seventh grade and division tas ahach coveryd neametoritil learned in the olghth erade. The total nainber of paestble polnts sae 174. The hlghest score was 163 wade by sno student and the lonest soore w-s sixty-five made by one student. The median zas 117 points.

One hundred and olghty-vne ainth grade atudents took the toet which included divisiona one, tyo, and three. he largest nuaber of otudents in the nintiz grade io accounted for by the -tudents wao come to liaghutian Junior High Sohsol froa the raral dietriata. In the three divislons of the tiat thors was a pass1b1112, of 300 points. One student mide 295 polnte. The lozat score made by one student was olghty-rive pslnts. The mediun was 206 polnes.

A copy of the isst in divislons for the seventh, -1giting and ninth gradee follaas.

## SEVENTI A ATI

I. Irlte the plural of the following:

1. 10 af
2. curf
3. 1acy
4. child
5. nouse
6. ohureh
II. Some of the following gontences are correct and some are inenrrect. Place a plus ilgn $(\uparrow)$ before the sentence that are inenrrect:
7. Henry, he has gone to schnol.
8. Mary likes the work.
9. This here pen is mine.
10. She told me shere Joln had gone, but I have forgotten.
11. He owns two things. A car and a watch.
12. John likes to play tennie he plays every day.

1II. Underline the on lete abject $\quad$ Ith one 11 ne and oxaplete predicate with tin 11 nes.

1. Tho day was bright.
2. The girls are playing hall.
3. Beautiful pink roses grow in the garden.
4. Llave you forgotten ynur bonk?
5. The great bell rang lourlg.
IV. Indicate by writing in the blank b fore the entence whether it is declarative, interrogative, imperative, or exclamatory.
6. $\qquad$ Spring has come at last.
7. $\qquad$ Ank Mary tn go Eith us.
8. $\qquad$ Hold on ti ght, boys:
9. Thl inh is your brothert
10. Let u try hard io 1 in.
11. $\qquad$ IIIllian 1\% my brother.
V. Indieate the part or epeech of each word in the followinf, sentence: Mary apoke culetly to her little brother and sloter.

VI. In the folloming sontence oraw a line through the incorrect form in parenthesias
12. An apple and an range (was, were) on the table.
13. Ilo (wan, wore) going in the show.
14. John (doesn't, don't) want to gn.
15. There (was, wero) many cherrien on $t^{\prime}$ e tree.
16. She is the (taller, tallest) of the two girle.
17. Harry Juaped (in, into) the river.
18. We aro (nure, surely) proud of yu $r$ succepr.
19. Boyn and girle gron (rapld, ranidly).
20. The toum played (well, gnod).
21. She lonks (beautiful, beautlrully).
22. (Almast, mist) all the boy ware there.

VII. In the blank apace in each ontence, place the correct fora of the verb wich appears in the sargin to the left of the sentence.

23. H1s anm was cone do

drink 4. Harry $\qquad$ tea and coffee.
run 5. As James
$\qquad$ across the street, his mother called hi l.
see 6. I have the play.
choose 7. The debaters wo $\qquad$ from the senior class.
Frito
freeze
24. The book wan
25. He was alsont $\qquad$ in $18: 4$.
out 10. I
my breakfast rabidly.
VIII. Underline the correct form of the pmanuin in parenthesis.
26. It (she, her) tin called you.
27. Bring the book to (me, I).
S. I saw ( $\mathrm{h} 1 \mathrm{~m}, \mathrm{he}_{\boldsymbol{\prime}}$ yesterday.
28. (No, us) girls are not going.
29. The letter war for John and (me, I).

I . To the right of the sentence give the care of the underlined words.

1. My whity is done.
2. I wrote a letter.
3. The 1 ri's dress was blue.
4. He 1 my frond.
5. The sent the letter in Joins.
X. In the following fentencer mite in to blank before t. ie sentence the ossassive form of any word that you think is a prosesalve.
```
1._
40}
                                    This is the mons gnlf courbe.
                                    Johns bat is gray.
                                    The boys comts are tweod.
```

XI. Underi ine the correct form of the verb.

1. John (set, sit) down.
2. There him books (1ay, 110).
3. (Ralse, rise) ynur hands, chlleren.
4. (sit, sot) the bnizuot nn the table.
5. (Lie, lay) dow and rest.
XII. The sentences below lack punctuation marks. You are to supply propor munctuation.
6. Harry close the door.
7. I ate roading Juckioberry Yinn.
8. No I cannot go.
9. The prograil she eald man well prepared.
10. The hnuse was dark glonmy silent.
XIII. Insert cap-tals whero they aro needed.
11. He wont to eumpo.
12. Proy travelled In tho east.
13. I am going to enloradn noxt minter.
14. He in dectar long.
15. The bible is a gind plece of 11 terature.
16. They read starion abnut indians.
17. He is a eradua:o of Hanhattan high nchool.
18. I am studying onglis. and gengraphy.
XIV. Underling pronouns and tell the kind.
19. Margarot wmoto to her.
20. You may gn.
21. Sho ir mriting.
22. The brok belonge to them.
23. We are working.

## BI GATH GRADE

XV. Some of the following entoncis are ample, ane compound, other complex. Identify each in the margin to the left of sentence.

1. We were r-ady but so did $n$ nt $o$ because it rained.
$\qquad$ 2. Tyrant, be ins where lam ends.

2. Andrei if my bother.
3. Penne do not lack eirengta but they lack 111 .
S. Oreat Apencors are bad lenders.
4. Put your heart into your work an the sky 1111 clear.
XVI. Underline the dependent el aires and 1 dontify them as adverbial, adjective, or noun. Explain reason. 1. The girl whom you soc is my sister.
5. Though I do not understand, i obey.
6. I fear that it 1111 rain.
7. Ho prayeth best the lovetia bet.
8. What they say is true.
9. Play milo ne may.
XVII. Give the tense of the underlined verbs.
10. I shall call.
11. There Loeb David.
12. They returned Monday.
13. I am gains.
14. She has called of ten.
15. Ton Hill hale culled.
16. They had worked the probleve.
XVIII. Indicate in the margin at the left the person of the words underpinned and gi O re..gnn.

## Rosin

$\qquad$ 1. Lither 1 oven her cisild.
——2. Te 1111 trout yous well.
3. Harry en me hero.
-4. He has worked the problem.
-5. The house belongs to is.
$\qquad$ 6. She is mining a letter.

XIX . Choose the proper form of the verb and give a reason for your choice.

1. He and Jain (18, are) here. Reason
2. Bach of the boys ( 18 , a o) rally. Resin
3. Hoister spile near teachers (has, have) to go. Reason
4. Te captain, with all his crew, (was, wore) saved. Reason
5. Neither friend or relatives (was, wore) invised. Reason
6. One of the other of $u s$ ( 18 , are) wi taken. Reason
XX. Live the case of the underlined words and the regBn for the cake. Example: The pen in olio. Case - Mminativo. Reason - Sub oct nf verb 'ie.' 1. I wrote a letter.

Case Season
2. Ky work ido il is cone. Cane Deacon
3. He read the bnok. Case

Reasnn
4. They sent for Thomas. Case

Toasnn
5. Oive overy man hin due. Case

Coason
0. $\frac{\text { John } n^{\prime} n}{\text { Case }}$ hat in lost.

Feason
7. She 18 my friond. Case

## Rieason

XXI. Underline the indefinite proncunt found in the following sentence: :

1. Hany are called, but foll aro chnson.
2. Who is knocking?
3. All came in to ge ther.
4. Each came bouring a paim lear.
5. None is en blind as he who wll not see.

## EINTH GRADS

XXII. Distingulsh bet weon the phrases and the dependent clauses in the folinwing rentences. Underiline the phrases with one 11 nc , the clauses with two lines. 1. In the best books griat men talk to us.
T. When incustry goes out of the door, poverty comes in at the window.
3. Or sen leaven grom on the trees.
4. I heard thif interesting e:ary in England.
5. The man whn lives acmas the street case from Lnuisiana.
6. They behold a bmad, blue lake, which fllled the great valley.

20XIII. Underl ine and identify the pronouns in the follow1ng sentences:

1. Wo mat try and jot fall.
2. What are yo an Ing?
3. They say ho is wealthy.
4. Thit is mino.
5. The girl whn cave today if my frlend.
6. I have Just read "Treasure Island", which I frund very intereating.
XXIV. Give the onmparative and nuperlative degreer of the fnllowing adjectives and adverbs:

Pasitlve Comperative

1. near
2. rapid1y
3. gond
4. slowly
5. 11ttle
6. wuch
7. cheerfully
8. bad
$x \times 7$. Unde 1 ine and Loentify the gerunds, participles, and inflnitives found it the following sentences: Example - I expect to enjo: tie play. Infinitive.
9. To be useful to my alm.
10. I had hoen trurrying throuph my mork.
11. His nccupation, meadine china, is interes:ing.
12. I am tired nf dolng thif.
13. The canning pricese is fairly simple.
14. Hnuses to rent are scarce.
15. H1s cosin tnday $\#$ as unoxnected.
16. I do net IIte your iving up.
17. I came here to wrik.
18. Having $f \ln 1$ sitiod our work we had a mhort time for pluy.
XXVI. Under line the verbs in the following sentences, and give the volce of esch. sxplain.
19. He gave me a recoption.
20. He tank grod care of us.
21. Fe wore given a recoption.
22. You were called for.
23. They mado him prealdent.
24. Devid loved Jonathan.
xoxVII. Underline the vorbs in the folloalng fentences, Elve the mnod. Kxplain hom yru know the verb is In the indicative, imperative, or eubjunctive mand. Bxample: Come here it nnee. Imperative, a command.
25. Sit down if yx please.
26. He came la t night.
27. Ood bless us all.
28. Thet if you were I?
29. Let us try tn min , hoge.
30. I fear leet it fail.
31. She wrote the brok.
XXVIII. Inaort the correct punctuation and capltalizetian necessury in t:o following paragraplis:

Twn brothers win had inherited a pioce of land cquarroled and qu rreled ohnut hom it should be divided they on came to blime a nolghor finaliy pernueded them to pabmlt thelr diepute to a certain man noted for his gnod judiment and his honaety.

Dn yna both ameo anted the arblitrator when they had ehown hle the propery to able by my deciaion

We do thay replied then you he sald turning to ne of the brothers Rhull drum l-ne through the fiele dividing it procinely ue you thi $k$ it simuld be divided excellent exclaimed the one thus addrensed and ise proceeded to drav the line

And nom gnu contin od the arbitrator turning in the othar brnther min man oconline ut him may have wilchever partion you prsfer

The results of the test as given to the 179 seventh grade pupils are hereln shom. The mean far the Erade wan found by dividing the total number of points made on the $t$ cet by the naiber of puplle taking the test. The total number of points 13,030 divided by 179 otuale


| Parts | Points Made | Number | Pupils | Parts | Pninta | Number | Pupils |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Making | Points |  | Made | Making | Point: |
|  |  | Pupila | Points |  |  | Pup118 | Pnints |
| VIII | 5 | 43 | 815 | XIII | 8 | 12 | 96 |
|  | 4 | 77 | 308 |  | 7 | 61 | 427 |
|  | 3 | 36 | 108 |  | 6 | 70 | 420 |
|  | 2 | 14 | 28 |  | 5 | 26 | 130 |
|  | 1 | 1 | 1 |  | 4 | 7 | 28 |
|  | 0 | 8 | 0 |  | 3 | 2 | 6 |
|  |  |  |  |  | 2 | 1 | 2 |
| IX | 5 | 20 | 100 |  | 1 |  |  |
|  | 4 | 18 | 72 |  | 0 |  |  |
|  | 3 | 13 | 39 |  |  |  |  |
|  | 2 | 19 | 38 | XIV | 10 | 9 | 90 |
|  | 1 | 17 | 17 |  | 9 | 15 | 135 |
|  | 0 | 92 | 0 |  | 8 | 15 | 120 |
|  |  |  |  |  | 7 | 14 | 98 |
| X | 4 | 42 | 168 |  | 6 | 115 | 30 |
|  | 3 | 53 | 159 |  | 5 | 7 | 585 |
|  | 2 | 8 | 18 |  | 4 | 1 | 4 |
|  | 1 | 5 | 5 |  | 3 |  |  |
|  | 0 | 71 | 0 |  | 2 |  |  |
|  |  |  |  |  | 1 |  |  |
| XI | 5 | 30 | 150 |  | 0 | 3 | 0 |
|  |  | 77 | 308 |  |  |  |  |
|  | 3 | 41 | 123 |  |  |  |  |
|  | 3 | 19 | 38 |  |  |  |  |
|  | 1 | 8 | 8 |  |  |  |  |
|  | 0 | 4 | 0 |  |  |  |  |
| XII | 5 | 43 | 215 |  |  |  |  |
|  | 4 | 41 | 164 |  |  |  |  |
|  | 3 | 46 | 138 |  |  |  |  |
|  | 2 | 22 | 44 |  |  |  |  |
|  | 1 | 17 | 17 |  |  |  |  |
|  |  | 10 | 0 |  |  |  |  |
| Nean: | 72.2 |  |  |  |  |  |  |
| Median | : 74 |  |  |  |  |  |  |

From the realts of tho teat given to the eighth grade the mean for parts 1-14 inclueive which is eeventh grade matorial mas frund to bo 79.70. Thus in comparing the mean of the eoventli grade over the sume materlal a slight fimponvemont of 7.47 points was shown. Ropetition of materlal tends to $f 1 x$ that material in the $m$ inds of the students. The yalue of ropetition in the learning pmeess is clearly shown. The mean for parter $15-21$ of the olghth grade tost whileh covered new muterial mas 37. The mean for the erifre test taken by the a ghth graco was 117.52 points as compared $\quad 1$ th 72.23 of the soventh grade, an increake of 45.29 points. The dotalled verulta for the test aro given in the followlrg table.

TABLE II
PRSULTS OP TEST BIGHTH GRADS

Humber of Jupils taking test: 1.3 Possible Painte: 174

| PartsPoints <br> Made | llumbor Puplls <br> Taking |  |
| :---: | :---: | :---: |
|  |  | Points |
| Puplls |  |  |

Parts Polnto Number Punils
Made Taking Pnints
Puplls folnte

II | 6 | 48 | 288 |  |
| ---: | ---: | ---: | ---: |
|  | 5 | 35 | 175 |
|  | 4 | 24 | 96 |
|  | 3 | 9 | 27 |
|  | 2 | 5 | 10 |
|  | 1 | 2 | 0 |

| III | 10 | 48 | 480 |
| :--- | ---: | ---: | ---: |
|  | 9 | 33 | 297 |
|  | 8 | 19 | 152 |
|  | 7 |  |  |
|  | 6 | 3 | 18 |
|  | 5 | 4 | 20 |
|  | 4 | 6 | 21 |
|  | 3 | 1 | 12 |
|  | 2 |  |  |
|  | 1 | 1 | 1 |
|  | 0 | 5 | 0 |

IV

| 6 | 57 | 342 |
| ---: | ---: | ---: |
| 5 | $3:$ | 195 |
| 4 | 12 | 48 |
| 3 | 10 | 30 |
| 2 | 2 | 4 |
| 1 | 1 | 1 |
| 0 | 2 | 0 | VII

Parts Points Number Punils Kade Making Pointa

VIII
$41 \quad 205$
$47 \quad 188$
$20 \quad 60$
15 60
50
1
0
$\begin{array}{cc}\text { IX } & 5 \\ & 4 \\ & 3 \\ & 2 \\ & 1 \\ & 0 \\ & \\ & 4 \\ & 3 \\ & 2 \\ & 1 \\ & 0\end{array}$
5
4
3
2
1
0
25
36
17
15
9
21
$\begin{array}{rr}44 & 176 \\ 57 & 171 \\ 11 & 28 \\ 4 & 4 \\ 7 & 0\end{array}$
xI
5
4
5
2
1
0
46
47
19
6
5
2
230
178
57
12
5
0
XII
$40 \times 1200$
$\begin{array}{rr}34 & 170 \\ 3.2 & 128 \\ 38 & 114 \\ 10 & 20 \\ 6 & 6 \\ 5 & 0\end{array}$
XIII
8
7
6
5
4
3
2
1
0

376 880 168 35
1

| P2.rta | Polnts Made | Number Kaking | Punila <br> Pointa |
| :---: | :---: | :---: | :---: |
|  |  | Pup11s | Polnts |
| XIV | 10 | 35 | \$50 |
|  | 9 | 20 | 180 |
|  | 8 | 11 | 88 |
|  | 7 | 6 | 48 |
|  | 6 |  |  |
|  | 5 | 39 | 195 |
|  | 4 | 4 | 16 |
|  | 3 | 3 | 9 |
|  | 2 | 2 | 4 |
|  | 1 |  |  |
|  | 0 | 1 | 0 |
| XV | 6 | 27 | 162 |
|  | 5 | 20 | 100 |
|  | 4 | 35 | 140 |
|  | 3 | 86 | 78 |
|  | 2 | 10 | 20 |
|  | 1 | S | 3 |
|  | 0 | 2 | 0 |

## XVI

| 18 | 3 | 54 |
| ---: | ---: | ---: |
| 17 | 2 | 34 |
| 16 | 5 | 80 |
| 15 | 2 | 30 |
| 14 | 5 | 70 |
| 13 | 8 | 78 |
| 12 | 8 | 96 |
| 11 | 4 | 44 |
| 10 | 17 | 100 |
| 9 | 7 | 63 |
| 8 | 3 | 24 |
| 7 | 8 | 56 |
| 6 | 15 | 80 |
| 5 | 7 | 35 |
| 4 | 11 | 44 |
| 3 | 8 | 24 |
| 2 | 9 | 18 |
| 1 | 2 | 2 |
| 0 | 8 | 0 |

34 80 30 70 78
96
44
100
65
24
56
80
35
44
18
2

| Parta | 2sints | Number | 3up:13 | Pants | Poninta Made | Number Puplla |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Masdo | Making | Points |  |  | Haking | Points |
|  |  | Pup 128 | Points |  |  | Pup118 | Pointa |
| XVII | 7 | 8 | 56 | XX | 14 | 9 | 126 |
|  | 6 | 10 | 80 |  | 13 | 6 | 78 |
|  | 5 | 29 | 95 |  | 12 | 6 | 72 |
|  | 4 | 24 | 96 |  | 12 | 8 | 88 |
|  | 3 | 40 | 120 |  | 10 | 6 | 60 |
|  | 2 | 12 | 24 |  | 9 | 5 | 45 |
|  | 1 | 4 | 4 |  | 8 | 11 | 88 |
|  | 0 | 6 | 0 |  | 7 | 10. | 70 |
|  |  |  |  |  | 8 | 9 | 54 |
| XVIII | 12 | 20 | 240 |  | 5 | 8 | 40 |
|  | 11 | 4 | 44 |  | 4 | 15 | 60 |
|  | 10 | 15 | 150 |  | 3 | 5 | 18 |
|  | 9 | 5 | 45 |  | 2 | 6 | 12 |
|  | 8 | 3 | 24 |  | 1 | 6 | 6 |
|  | 7 | 5 | 35 |  | 0 | 23 | 0 |
|  | 6 | 29 | 60 |  |  |  |  |
|  | 5 | 8 | 45 | XXI | 5 | 10 | 200 |
|  | 4 | 3 | 12 |  | 4 | 27 | 108 |
|  | 3 | 9 | 27 |  | 3 | 33 | 99 |
|  | 2 | 27 | 54 |  | 2 | 10 | 20 |
|  | 1 | 4 | 4 |  | 1 | 9 | 9 |
|  | 0 | 9 | 0 |  | 0 | 4 | 0 |
| XIX | 12 | 2 | 4 |  |  |  |  |
|  | 11 | 4 | 44 |  |  |  |  |
|  | 10 | 3 | 30 |  |  |  |  |
|  | 9 | 5 | 45 |  |  |  |  |
|  | 8 | 8 | 64 |  |  |  |  |
|  | 7 | 9 | 63 |  |  |  |  |
|  | 6 | 16 | 96 |  |  |  |  |
|  | 5 | 17 | 85 |  |  |  |  |
|  | 4 | 28 | 112 |  |  |  |  |
|  | 5 | 12 | 36 |  |  |  |  |
|  | 2 | 27 | 34 |  |  |  |  |
|  | 1 | 2 | 2 |  |  |  |  |

In the ninth erade the test included the three diviaions as shown in tuble tiree. The mean for parts l-la was 84.13, showing un increase of 4.43 points as compared with the elg.t. erade mean on the name material. This was not as greit un incroase as was frund botaeen the seventh and elghth grades. Conpared Win tie seventh grade mean over the sume purte thore vas an increase of 11. 90 polnts. hgain a galn in knowledeo Lhrough. repotition was found. The mean for parte $\mathbf{1 5 - 2 1}$ in the ninth grade was 48.18 points as compared to the elgith grade wean of 37 pointe. This sinwed a gain in learning and retention of materlal of 12.18 polnt s . The me an for parts $22-28$ inclusive which was over new materlal learned in the ninth grade was 72.08. The mean for the entire test taken by the ninth grade was 204.83. The cotalled results of the test follow.



| Parts | Point 8 | Wumber Maring | -pils |
| :---: | :---: | :---: | :---: |
|  |  | 3 19128 | ว $21 \times 15$ |
| XVII | 8 | 7 | 36 |
|  | 7 | 19 | 153 |
|  | 6 | 25 | 150 |
|  | 5 | 32 | 160 |
|  | 4 | 55 | 220 |
|  | 3 | 30 | 90 |
|  | 2 | 9 | 18 |
|  | 1 | 2 | 2 |
|  | 0 | 2 | 0 |


| XVIII 18 | 44 | 528 |
| :---: | :---: | :---: |
| 11 | 7 | 77 |
| 10 | 19 | 190 |
| 3 | 7 | 63 |
| 8 | 5 | 40 |
| 7 | 11 | 77 |
| 6 | 11 | 66 |
| 5 | 8 | 20 |
| 4 | 10 | 40 |
| 3 | 14 | 48 |
|  | 13 | 26 |
| 1 | 10 | 20 |
| 0 | 24 | 0 |

XIX

| 13 | 28 | 338 |
| ---: | ---: | ---: |
| 11 | 20 | 220 |
| 10 | 80 | 200 |
| 9 | 8 | 72 |
| 8 | 28 | 224 |
| 7 | 11 | 77 |
| 6 | 10 | 60 |
| 5 | 14 | 70 |
| 4 | 17 | 68 |
| 3 | 9 | 27 |
| 2 | 6 | 12 |
| 1 | 5 | 5 |
| 0 | 5 | 0 |


| 7. 48 | $\begin{aligned} & \text { Polnts } \\ & \text { Made } \end{aligned}$ | Number Kaking | $\begin{aligned} & \text { Pupils } \\ & \text { Points } \end{aligned}$ |
| :---: | :---: | :---: | :---: |
|  |  | Pup118 | Pol nts |
| XX | 14 | 51 | 294 |
|  | 13 | 14 | 182 |
|  | 12 | 33 | 396 |
|  | 11 | 9 | 99 |
|  | 10 | 15 | 150 |
|  | 9 | 1. | 108 |
|  | 8 | 1 | 96 |
|  | 7 | 15 | 105 |
|  | 6 | 9 | 54 |
|  | 5 | 6 | 30 |
|  | 4 | 8 | 32 |
|  | 3 | 2 | 6 |
|  | 2 | 11 | 22 |
|  | 1 | 3 | 3 |
|  | 0 | 11 | 0 |
| XXI | 5 | 42 | 210 |
|  | 4 | 45 | 180 |
|  | 3 | 59 | 177 |
|  | 8 | 20 | 40 |
|  | 1 | 7 | 7 |
|  | 0 | 8 | 0 |

W\%II

| 9 | 20 | 180 |
| ---: | ---: | ---: |
| 8 | 15 | 120 |
| 7 | 11 | 77 |
| 6 | 3 | 196 |
| 5 | 27 | 135 |
| 4 | 10 | 40 |
| 3 | 15 | 45 |
| 8 | 20 | 40 |
| 1 | 9 | 9 |
| 0 | $C 2$ | 0 |


| Parts | Points | Number | Pup 118 |
| :---: | :---: | :---: | :---: |
|  | Euce | Hasire | Points |
|  |  | Pup11s | Polnte |
| XXIII | 16 | a | 2.6 |
|  | 15 | 11 | 165 |
|  | 14 | 9 | 126 |
|  | 13 | 9 | 217 |
|  | 12 | 23 | 276 |
|  | 11 | 1.5 | 164 |
|  | 10 | 15 | 150 |
|  | 9 | 18 | 162 |
|  | 8 | 80 | 160 |
|  | 7 | 9 | 63 |
|  | 6 | 12 | 72 |
|  | 5 | $\theta$ | 45 |
|  | 4 | 3 | 12 |
|  | 3 | 1 | 3 |
|  | 2 | 1 | 2 |
|  | 1 | 2 | 2 |
|  | 0 | 16 | 0 |
| XXIV | 16 | 18 | 288 |
|  | 15 | 5 | 78 |
|  | 14 | 39 | 516 |
|  | 13 | 6 | 78 |
|  | 12 | 38 | 45.6 |
|  | 11 | 7 | 77 |
|  | 10 | 20 | 200 |
|  | 9 | 4 | 36 |
|  | 8 | 8 | 64 |
|  | 7 | 1 | 7 |
|  | 6 | 6 | 30 |
|  | 5 | 2 | 10 |
|  | 4 | 3 | 12 |
|  | 3 |  |  |
|  | 2 | 4 | 8 |
|  | 1 | 1 | 1 |
|  | 0 | 24 | 0 |


| Pants | Points Made | Fumber引uking | Pupile Pnints |
| :---: | :---: | :---: | :---: |
|  |  | Puplis | Points |
| XYV | 20 | 7 | 140 |
|  | 19 | 3 | 57 |
|  | 18 | 3 | 54 |
|  | 17 | 3 | 68 |
|  | 16 | 10 | 160 |
|  | 15 | 11 | 165 |
|  | 14 | 8 | 112 |
|  | 13 | 12 | 156 |
|  | 12 | 13 | 156 |
|  | 11 | 8 | 88 |
|  | 10 | 10 | 100 |
|  | 8 | 5 | 45 |
|  | 8 | 6 | 48 |
|  | 7 | 14 | 98 |
|  | 6 | 23 | 138 |
|  | 5 | 9 | 45 |
|  | 4 | 4 | 16 |
|  | 3 | 1 | 3 |
|  | 2 | 1 | 8 |
|  | 1 | 10 | 10 |
|  | 0 | 16 | 0 |
| XXVI | 12 | 56 | 672 |
|  | 11 | 18 | 198 |
|  | 10 | 9 | 90 |
|  | 9 | 15 | 135 |
|  | 8 | 11 | $\bigcirc 8$ |
|  | 7 | 2 | 14 |
|  | 6 | 28 | 168 |
|  | 5 | 11 | 55 |
|  | 4 | 7 | 28 |
|  | 3 | 5 | 15 |
|  | 2 | 2 | 4 |
|  | 1 | 1 | 1 |
|  | 0 | 18 | 0 |


| Parta | $\begin{gathered} \text { Palytik } \\ \text { Mado } \end{gathered}$ | Sumber | Pupl1s |
| :---: | :---: | :---: | :---: |
|  |  | Making | Points |
|  |  | Puplls | ?oints |
| XXVII | 14 | 15 | 210 |
|  | 13 | 12 | 156 |
|  | 12 | 18 | 216 |
|  | 11 | 18 | 198 |
|  | 10 | 22 | $\therefore 0$ |
|  | 9 | 14 | 126 |
|  | 8 | 15 | 120 |
|  | 7 | 8 | 56 |
|  | 6 | 11 | 66 |
|  | 5 | 3 | 15 |
|  | 4 | 5 | 20 |
|  | 3 | 6 | 18 |
|  | 2 | 7 | 14 |
|  | 1 | 2 | 2 |
|  | 0 | 24 | 0 |

[^0]| P-r゙ts | Pol nt: | Number | Puplls |
| :---: | :---: | :---: | :---: |
|  | Mado | KakIng | Polnts |
|  |  | Pup118 | Points |
| XXVIII | 39 | 5 | 195 |
|  | 38 | 4 | 152 |
|  | 37 | 7 | 259 |
|  | 36 | 8 | 288 |
|  | 35 | 9 | 315 |
|  | 34 | 11 | 374 |
|  | 33 | 8 | i64 |
|  | 32 | 6 | 192 |
|  | 31 | 11 | 341 |
|  | 30 | 12 | 360 |
|  | 89 | 4 | 116 |
|  | 88 | 6 | 168 |
|  | 27 | 4 | 108 |
|  | 26 | 4 | 174 |
|  | 25 | 5 | 125 |
|  | 24 | 2 | 48 |
|  | 23 | 7 | 161 |
|  | 22 | 4 | 88 |
|  | 21 | 4 | 04 |
|  | 20 | 1 | 5 |
|  | 18 | 3 | 57 |
|  | 18 | 4 | 72 |
|  | 17 | 4 | 68 |
|  | 16 | 4 | 32 |
|  | 15 | 2 | 30 |
|  | 14 |  |  |
|  | 13 |  |  |
|  | 12 | 2 | 24 |
|  | 11 | 2 | 22 |
|  | 10 | 7 | 70 |
|  | 9 | 2 | 18 |
|  | 8 | 1 | 8 |
|  | 6 | 2 | 12 |
|  | 5 | 1 | 5 |
|  | 4 | 2 | 8 |
|  | 3 | 1 | 3 |
|  | 2 | 2 | 4 |
|  | 1 | 1 | 1 |
|  | 0 | 20 | 0 |

The median of seventy-frur for the sevent'i grade corresponde closely to the mean of 72.25. The median of 117 for the elghth grade compares closely with the mean of 117.52. The median of the ale th grade was 206 in comparison with the mean of 204.63 points.

These findings tend th ahow that learning is retulned and inorases from your to year thmagh repetition. Each year new material was added and the students ratentive abllity of old materlisi showed a marked increake. A table is submitted shosing tho median in each grade us well as the number of students.

## 

```
SBVENTII GR, DF
Pupila - 179. Pnsbible Pninte - 100.
Parts 2-14: Hean - 72.23
    Mensan - 74.
                    BIGHTA GR LS 
Puplla - 1.3. Possible Pnints - 274.
Parta 1-14: sioan - 79.70
    " 15-21: Hean - 37.
    " 21---: Ko:n - 127.52
    Kadion-117.
                    NINTH Gर.DS
Pupils - 181.
                            Parn1blo Pninta - 300.
Parte 1-14: e.n - 84.23
    * 15-21: siawn - 46.18
    -22-28: Hean - 72.08
    # 1-28: Hen - 204.03
        Medi an - 206.
```

In order to siom clearl, the median for ouch part of euch test table four hus been prepared. The medlans which are shomn were found by dividing the intal seore made on each part of the test bj the number of students taking the tert. For inatance in purt ne of the seventh grade test the rcore was 835 poirits. One hundred and soventy-nino pupils took the tebt. Bight hundred and thirty-five divided by 179 gave a median of 4.65 polnts. The medians for all purts wore determined in the same manner.

In onmparing the medians in each of the perts of the soventh grado teat with the medians made by the elghth grade studenta on the same matorial it mas found that the studenta ${ }^{\prime}$ median was ruised in all cases excent one, namely, part throe (riople an:ilysie). In this care the median aas lowered 96 of a point. The greatest increase in learning accurred in purts four (classification of sontences as $t \cap \mathrm{u}$ e), and nine (cuse of nouns and proninuns), and frurtion (recognition of pronouns). The increafe varied from 1.10 to 1.48.

Comparing the medians in ouch of the firat taenty-one purts of the ninth grace teat ith the efghth gracte it was found that the students ruisod their mediuns in anst cases. However, they lowered thelr meding in parts four (clapsiflecation of Bentencer as to ubo), tim (formation of poseesives), thirteen (capltallzition), fourtion (recognltion of pronmins), and terity-one (recognition of in. delinite pronouns).

The groatest ircrouse in learning nocurred in nurts sixteen (reagenition and clapsifiaution of dependent clauses), nineteen (cholce of onrrect form of verb IIt th $^{\text {then }}$ rearnn), and twenty (case of nnuns and prmnuns with rearmen. Thif increaso variod fmil l.4l polnts to t. 10.

In the seventh gr de teet the highest median necurred In part six which covired the selection of the enrect vorb fore and the correct adjective or adverb. The lowest modi on in thie grede occurred in part nine which covered the case of nouns and pronouns.

In the alghth grude tert the beat median whe on part Eix which included the solection of the correct verb fow and the correct adjective and actorb. This wnid tend th prove that matoriul thomughly learned and reviemed etiays

Fith the stadent. The lore 6 medlial li this tost occurred In pa:t nine (case of nクuns and pronnuns); the same as in the seventh grade. Thore was an Imoroveaent nver the soventin grade modiun, however.

In the ninth grude test the highest medians sceurred In paris $81 x$ (correct form of vorb, adjectives, adverbe), sixteen (reengnition and claseification of dependent clausen), twenty-four (comphrison of djectives and adverbe), and trenty-o1ght (punctuation and capitalization). The lowest median nccurred in part ten (formstion of pnsseasves). The lomest mediun for the seventis and ef fith grades was round in part nine. The median in the ninth gracie was relutivels Ineor then in the of, thth.

TNBLS IV

|  | ? ¢8. | Sed. | $p 1 r r .$ | ¢8. | ient. | $1 \mathrm{ff}$. | $\frac{1}{4}$ | P68. | Led. | E1fi. | 4 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| I | 5 | 4.63 | .37: | 5 | 4.80 | -20 | H | 5 | 4.63 | .17 | 1. |
| II | 6 | 4.03 | 1.37 | 6 | 4.86 | 1.24 |  | 6 | 5.03 | . 97 |  |
| III | 10 | 9.12 | -88 | 0 | 8.16 | 1.84 |  | 10 | 8.75 | 2. 5 |  |
| IV | 6 | 3.94 | 2.06 | 6 | 5.04 | . 36 | 181 | 6 | 3.93 | . 0.07 |  |
| Y | 9 | 6.62 | 2.38 | 9 | 7.66 | 2.34 |  | 9 | 8.18 | . 62 |  |
| VI | 12 | 9.45 | 2.55 | 1. | 9.88 | 2.12 |  | 12 | 10.05 | 2.95 |  |
| VII | 10 | 8.98 | 1.7 | 10 | 8. 58 | 1.42 |  | 10 | -.38 | - EL | 2 |
| V1:I | 5 | 3.68 | 1.32 | 5 | 3.81 | 1.09 |  | 3 | 4.12 | . 81 |  |
| IX | 5 | 1.43 | 3.57, 5 | 5 | ...91 | 2.09 |  | 5 | 3.30 | 2.70 |  |
| X | 4 | 1.84 | 2.06 | 4 | 3.03 | . 970 |  | 4 | -. 9 | 2.0 |  |
| XI | 5 | 3.52 | 1.48 | 5 | 3.90 | 1.10 |  | 5 | 4.15 | . 25 |  |
| XII | 5 | 3.22 | 2.78 | 5 | 3.56 | 1.44 |  | 5 | 4.02 | . 28 |  |
| XIII | 8 | 6. 19 | 1.81 | 8 | 6.99 | 2.71 |  | 8 | 3.25 | 1.67 |  |
| X IV | 10 | 5.93 | 4.075 | 10 | 7.18 | 2.82 |  | 10 | 6.85 | . 2.15 |  |
| XV |  |  |  | 6 | 4.08 | 1.9.. |  | 6 | 4.18 | 2.52 |  |
| xVI |  |  |  | 18 | 7.57 | 10.43 | L | 18 | 9.61 | 1. 30 |  |
| XVII |  |  |  | 7 | 3.69 | 3.31 |  | 7 | 4.68 | -.3. |  |
| 2VIII |  |  |  | 12 | 6.01 | 5.99 |  | 12 | 6.56 | 5.44 |  |
| XIX |  |  |  | 12 | 5.16 | 6.84 |  | 12 | 7.57 | 4.13 |  |
| XX |  |  |  | 14 | 6.61 | 7.38 | L | 14 | 6.71 | 5.29 |  |
| XXI |  |  |  | 5 | 3.54 | 1.46 |  | 5 | \%. 3.39 | 1.61 |  |
| XAII |  |  |  |  |  |  |  | 9 | 4.62 | 4.58 |  |
| XXIII |  |  |  |  |  |  |  | 16 | 8.55 | 7.45 |  |
| XKIV |  |  |  |  |  |  |  | 16 | 10.45 | 6. 54 |  |
|  |  |  |  |  |  |  |  | 80 | 9.20 | 10.50 | . P |
| $\times$ x.VII |  |  |  |  |  |  |  | 12 | 8.11 | 3.88 |  |
| X.VII |  |  |  |  |  |  |  | 14 | $7.8 E$ | 0.12 |  |
| NXVIII |  |  |  |  |  |  |  | 392 | 23.15 | 15.85 |  |

i1. equisis highest ogree of le ralng.
n.
lonest

## TVBiAR V <br>  GVAdTH GR.IDS

Clusses: $\quad 5$
Pnesiblo
Points: 100
Fuplls: 179

| Pnints | $\begin{aligned} & \text { No. nf } \\ & \text { Puplis } \end{aligned}$ | \%odian |
| :---: | :---: | :---: |
| $\bigcirc 7$ | 1 |  |
| 94 | 2 |  |
| 93 | $\varepsilon$ |  |
| 91 | 1 |  |
| 89 | 4 |  |
| 88 | 4 |  |
| 87 | 4 |  |
| 86 | 8 |  |
| 85 | 9 |  |
| 84 | 7 |  |
| 63 | 3 |  |
| 82 | 1 |  |
| 81 | A |  |
| 80 | 8 |  |
| 79 | 6 |  |
| 78 | 7 |  |
| 77 | 3 |  |
| 76 | 3 |  |
| 75 | 8 |  |
| 74 | 7 | * soth |
| 73 | 5 | Paper |
| 72 | 6 |  |
| 71 | 6 |  |
| 70 | 5 |  |
| 69 | 1 |  |
| 68 | 7 |  |
| 67 | 1 |  |
| 66 | 7 |  |
| 65 | 4 |  |
| 64 | 5 |  |
| 63 | 5 |  |
| 62 | 8 |  |
| 81 | 3 |  |
| 60 | 1 |  |
| 59 | 6 |  |
| 58 | 3 |  |
| 57 | 7 |  |
| 58 | 4 |  |
| 53 | 2 |  |
| 52 | 1 |  |
| 48 | 2 |  |
| 47 | 1 |  |
| 46 | 1 |  |
| 45 | 2 |  |
| 44 | 2 |  |

## TuBGK V 4 <br>  of 6ith URnDE

Cluss6s: 5 Posifble Polntn: 174 Pupils: 123

| Points | No. nf | tedlan | Polnte | No. nf | Madian |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 163 | $\underset{1}{\text { Pupl }}$ |  | 115 | Puplls |  |
| 160 | 1 |  | 113 | 2 |  |
| 157 | 2 |  | 112 | 3 |  |
| 156 | 2 |  | 111 | 1 |  |
| 155 | 1 |  | 109 | 3 |  |
| 154 | 1 |  | 108 | 2 |  |
| 153 | 1 |  | 107 | 2 |  |
| 152 | 1 |  | 106 | 2 |  |
| 150 | 2 |  | 105 | 1 |  |
| 148 | 1 |  | 104 | 3 |  |
| 147 | 3 |  | 103 | 2 |  |
| 146 | 1 |  | 10: | 4 |  |
| 144 | 2 |  | 101 | 3 |  |
| 143 | 2 |  | 100 | 3 |  |
| 112 | 1 |  | 99 | 2 |  |
| 140 | 1 |  | 97 | 5 |  |
| 138 | 2 |  | 96 | 1 |  |
| 136 | 4 |  | 95 | 2 |  |
| 134 | 2 |  | 94 | 2 |  |
| 133 | 2 |  | 93 | 1 |  |
| 131 | 2 |  | 92 | 1 |  |
| 130 | 1 |  | 90 | 1 |  |
| 129 | 1 |  | 89 | 1 |  |
| 127 | 2 |  | 88 | 1 |  |
| 126 | 1 |  | 87 | 1 |  |
| 125 | 1 |  | 86 | 1 |  |
| 124 | 1 |  | 85 | 1 |  |
| 123 | 1 |  | 82 | 1 |  |
| 122 | 2 |  | 81 | 1 |  |
| 121 | 7 |  | 80 | 1 |  |
| 190 | 4 |  | 79 | 1 |  |
| 118 | 4 |  | 77 | 1 |  |
| 118 | 3 |  | 71 | 1 |  |
| 117 | 4 | \# 62nd | 68 | 1 |  |
| 116 | 3 | Puper | 65 | 1 |  |

## TA LIR VII <br>  MENT OP. TB

Classes: 7 Porsible Polnta: 300 Pupllip: 181

| Pte. | $\begin{aligned} & \text { M9. nflodian } \\ & \text { Pup1ls } \end{aligned}$ | $\begin{aligned} & \text { Pt } 8 . \\ & 20.4 \end{aligned}$ | $\begin{aligned} & \text { Nn. nfiedtan } \\ & \text { Pupils } \end{aligned}$ | P29. | No. nemectan Pun!1: |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 295 | 2 | 2.34 8.3 |  | 179 | $2^{1}$ |
| 291 | 2 | 2.3 | 1 | 178 | 3 |
| 284 880 | 5 2 | 221 | 2 | 174 172 | 1 |
| 380 287 | 2 | 280 819 | 2 | 171 269 | 1 |
| 286 | 3 | 218 | 1 | 168 | 2 |
| 205 | 1 | 217 | 2 | 167 | 5 |
| 262 | 1 | 216 | 3 | 164 | 3 |
| 280 | 2 | 215 | 1 | 103 | $\therefore$ |
| 259 | 1 | 214 | 1 | 162 | 1 |
| 258 | 3 | 213 | 2 | 161 | 4 |
| $85^{57}$ | 3 | 212 | 1 | 157 | 1 |
| 258 | 1 | 210 | 3 | 154 | 1 |
| 255 | 2 | 209 | 4 | 251 | 1 |
| 254 | 4 | 208 | 1 | 149 | 2 |
| 252 | 3 | 207 | 1 | 148 | 1 |
| 251 | 1 | 806 | 1 \% 918t | 147 | 1 |
| 250 | 2 | 205 | 3 Paper | 142 | 2 |
| 249 | 1 | 204 | 1 | 135 | 1 |
| 248 | 1 | 203 | 2 | 134 | 1 |
| 347 | 3 | 201 | 1 | 128 | 1 |
| 246 | 2 | 199 | 4 | 125 | 3 |
| 245 | 1 | 198 | 2 | 122 | 1 |
| 241 | 2 | 197 | 1 | 281 | 1 |
| 243 | 1 | 196 | 2 | 120 | 2 |
| 242 | 2 | 195 | 2 | 114 | 1 |
| 241 | 1 | 192 | 2 | 102 | 2 |
| 237 | 1 | 191 | 1 | 101 | 1 |
| 236 | 1 | 190 | 3 | 100 | 1 |
| 234 | 1 | 188 | 3 | 97 | 1 |
| 231 | 1 | 187 | 1 | 85 | 1 |
| 230 | 1 | 186 | 2 | 90 | 1 |
| 229 | 2 | 185 | 1 | 89 | 1 |
| 298 | 2 | 183 | 1 | 85 | 2 |
| 228 | 1 | 182 | 2 |  |  |
| 225 | 2 | 180 | 3 |  |  |

In exapuring the mediane made in the eovonth grade Wita the possible onints it was frund that the best learning took place in purt one ahich covered the formation of plurale. This is partly aconunted for by the fict that chlldron mft $n$ iourn to spell the $71 u r u l s$ correctly oven thxigh they do not know the rules for the formation of plur is. The next best learning tnok sluce In part three (staple anilysis of sentences) that is celecting the ompleto subject and the omplete predicate. This is emphasized by much orill wonk so thut the mectian should be fatrly high.

The lowest degree of le 1 rni g occurred in part foure teen in which the students aere asked to underline the pronouns and tell the kind. The studenta seemed to be able to recognize the pronouns but thoj could not toll the kind. avidently sufficient drill in rocognizing the kinds of promune had nnt been alvan. The next lnwest degree or lewning took place in part nine (case of noune and pronouns). The myrity of the students fallod in get any of the cases right. Shay seemed to be unable to
connect the nominativo case with the ract that the noune and pronouns ased se subject or as predicate nominative are in the nominative case, and so on. This may be due to the fact thut case forms are net given ae much emphasis in the seventh grade as are ther iteme of inform tion. The degree of laurning is about the same in purts four (classificition of sentences as to dse), five (parts of speech), six (correot forms of verbs, -djectives, adverbs), elg:t (correct forme of proaoune), ten (forme ition of pessesplves), and in parts twn (correct and incorrect sentences), seven (corroct foris of verbs), eleven (verbs sit, sot; 110, lay; eic.), twelve (punctuation), and thirteon (capitallzition).

It is interesting to note that the highest median made in the eighth grade was made over materisl flrst laurned in the seventh grade. When the median in each part of the elghth grade teet wis ompared IIth the possible points 1 each part of the test it was founc that the best loural.g ag-in oocurred in part one willch envered the formation of plurals. Since this is the p-rt in zhich the best learning occurred in thy seventh grude it would
tend to prove one of tae las of lactuley th t repetition flxes facts in the monory and issiste in rocull.

The next hfgroat degrse of leuratikg taok pl-ce in part four (clussiflc tion of sentences s to use). Here aguin tide factore of repetition and rectil enterad.

The lones: de, ree of loming took place in putt slxtsen (recogaltion ad clusslficatinn of ceveradent clases atti reasons for clusslficution). The low deGree of loaraing it thils paints any be wocsunted for by the fact that the u-teriul is nax to tha el gatio or ide fad also by the foct that while studente recolnize dependent clauses -s such iat; cannat put them in the correct classiflcation and givo roanch of classlfiting. Leakness in givink reasons soamed to be an outatunding faxlt. avidentl; wore crill should be given in stating reasans. The nex: ta the lausst wegrez of leurnilig occurred in pirt wonty (reongnition of oase forme and reasong). In comparing tuls with the next lowast learning In the sovanth gracie part nine (dane forms) it wis found thist the students could eoognito the case fonms whith they could not do la the sevent.1 grade, but the, sere un-
able to etate thelry ris.sons.
thon the medi in for oach part of the nlat. grude test zas compured sit. 3 the possible numbe of polnts in each part of tae test it ais found that the highest degroe of laurnting again occurrad in part ans witch onvered the form thon of olurals. Since tils is the purt $1 / \mathrm{z}$ which the best learniag occurred in both previfus yours it prove once nore that repetition is of great value in rso. 11.

The highest decree of le ralng in the bitith giade occurred In part one. The next bighest lourning took place in part seven which dealt aith the solection of the correct verb form. Wiuch drill is given in both the seventh and of ghth rrades in the use of the correct verb fora 37 that the high degroe of lowning is ag in acomanted for through resetition.

In the case of tide nint.a grade as in the elghth the prorest learning occurred in the nazly laurned m-tertul. The lowsst degree of leurning sccurred in part twentyolght which covered punctuation and capltalization. There seamed to be a tendency on the part of the etudente to
overcapltallise and in nmi: ull quntution wurks. This can be accounted for by tho fact that insufflcient time is givon 20 dictution arrik und to drill ank that requirea the insertion of c.pltals and marks of panctuation.

The sext lonest dugree oí la raita took oluce in purt tuanty-five thich coverad tio roonpmition und Idantific. tion of verbals. duny etuaents unoerlined tien as cerunds, p-rtic:plos, or 1 nelnitives, Inabivit, to inute a grod score on this palit of the test ai $y$ beip, thj accountsd for by the efet that ing etudents es .nt bsoome uequalated with Ve buls unt12 the ninth gride; ierefore, they do not have wach timo for rapetiti in through Ar111 as they have on othel Itexs.

## COMC JUSI JNE

Hrow tho onmpariasa of aoventh, olghts, and niath erude medlans it hus been found that the best laurning sceurred in gurt ons, groving that drill is gmofit-bio. The noxt h: phast degreas of lourning ocourred in orts three (simple analysis), four (clusaification of sentences .s to use), ind suvan (onrrect forme of verbs), reanective1 y .

All of thess purts belng l.cluded in division one for the seventh gr - do the offloionoy of popotition of fLcte learned is aguln proven.

The lowest degree of leapaling took place if. purts fourteen (reangnition of oronvins and kinda), sixtoen (racogntion and 1 dontification of depondent clauses), and twonty-elght (runctu tion and capltalization), respectivaly. In the sevanth gr de the lowest degree of learning accarrod in the latit itata tasied, part fourteen (racomition and clasifiction of prowzuns). Thls may be accounted for hrough lack of anphasis and -1 so through the fuct that if is tha lust itera in the tert. The next lozest dogree of le ming auB in Dart fine (cuse of nouns and pronsuna). Not as auch energy and exmhasls is placed on case farme in the seventh gride is in the elghth and ninth gr-des.

In the elghth grade the louest dograe of learnligg wus found to bo in 2axt $81 \times$ ioen (recojnition arid 1 dent1ficution of dependont cluses whit reasons). The next lowest score sas on part twenty (cuss of nouns und pronouns with roasins). The loa dogroe of lournlag here may
be accounted for by the fact th-t these ourts test new facts lourned. Fepetilion of facts which is so nocossary has not been sufficiont.

The lowest learning in the ninth graile agaln occurred in the last part of the tast is it did in the roverith grade, and the next lawest in gart taenty-five (verbils). Pros this fact it would Baam that the oosition or certuln 1tems in the tos: has somathing to do With tho students' abllity to anszer carrectif. Fian, ton, elnce the lom scores ine alaost invurl-blj aado on new materl 1 the necessitj and offi:ienc; of ropoilition is orphasized once nore.

Certain negative points are very injurent: firet, the lawebt modisn in the serenth and oifht's grades was found in part nine (eass of noums and pronnuns). Thls medtan improved howevar in eac.. gride jhich Indleated that tho stadents learned by rezotition. The 1 misovement was not at हroat as it should hive been. Greater improvement of a hlgher degree of lourning i this ause could be accompllahed by syecan-tic u8d of roill boors and by means of shart dally orills. Siort Erills wilch $c$ an bo checked in
cluss are the mos: viluble. Corrections mado inmediately
 Are wore valu-bla than corrections made by the teucher at a later ilme. If here was a anif ormity in terminology
 Ij, For 111ugtritio, ia the sa\%onth gracie i.we tomm nom-1n-tive, ojjective, and posse sive are used wille in the oighth and ninta erude ths turas momin-tive, cocusiative, ditive, and gen 1:1vo avo usod, t $70 u_{i} \mathrm{l}$ tho wihor for all tho textboozs 13 the ama. misic AE confuglng and rerhape acenunts for tho 1 Gubllitg of the stucients to recognlse the cases. In tio minzin grade the lowzst melion was made In part ton (formation of onsessives).
another intoroseing fact loarnod from these teats Fas that the loy degres of le raing indicated by the medians ras made In each cise on the neat material. This again indicates and emphasleses the fact that const nt repetition ie neceseary ind valuable to leurning.

* thlrs nogativo polat th : \#as vory clear was the fact that it all divielons of the test anere re sone were asked for the studente seomed to be unable to state the
reasons. Perhajs this was duo to the fuct that -11 teachers do nut eaphaslze tha naceasity of knoalng the resenns. There ahuld be more drill both ral and written on statlng the roisons.

Pram these observations at least taree polnts are partical.-rly sutstanding: first, the snglish teachers of Wunh-ttan Janlor 41 ga Scinnl ne9d to glve mare time and attention to case forms of axuns and oronouns; second, arre drill york is needed on nerl; taupht materlisl; third, teachers should not be extlsflec in h. ve the students use the ofrract form, bat g.iand fuslst th. at tioy know why the, ase lt, of, In sther anrds, more drlll izi stutlug reasins is necessary.

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