SCRABBLE PATTERNS

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When the letters of the word SUPERMAN are assigned their Scrabble values, SUPE.RMAN becomes **1131.1311**, a palindromic numerical arrangement. SUPE.RMAN is what I call a **Scrabble Palindrome**. Similarly, GAR.DEN is a **Scrabble Tautonym (211.211)**, whilst RU.IN (**11.11**) is both a **Scrabble Palindrome and a Scrabble Tautonym**. The Scrabble totals of the letters of the first and second halves of the word are equal, in the above cases **6.6, 4.4** and **2.2** respectively.

In the game of Scrabble, the values of the letters are:

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A E I L N O R S T U (1)  D G (2)  B C M P (3)  F H V W Y (4)  K (5)  J X (8)  Z Q (10)
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No letters have Scrabble values of 6, 7 or 9.

In order for the Scrabble totals of the two halves of a word to each be 1 (represented by **1.1**), the word can only be constructed from Scrabble letters in **one way**, specifically from letters with a Scrabble value of 1. Such words include **AT, IN** etc. (see below).

Scrabble totals higher than **1.1** can all be constructed from Scrabble letters in **two, or more, ways**. Thus, **2.2** can be achieved using the pattern **2.2** or the pattern **11.11**. The patterns 2.11 and 11.2 are not admitted as they are not palindromic or tautonomic.

Some patterns fail to produce any words. This is mainly because all 5 of the major vowels (a, e, i, o, u) have the same Scrabble value (1). Hence, for example, no Scrabble Palindromes were found with the patterns 23.32 and 32.23 or Scrabble Tautonyms with the patterns 23.23 and 32.32.

In the lists below, the **numbers on the left (starting with 1.1)** are the Scrabble totals of the letters of the **two halves of the words**. The **numbers in italics** are the Scrabble values of the individual letters.

Most of the words can be found in the Oxford English Dictionary, Second Edition.

Other references: *Cham* = Chambers English Dictionary  *Dor* = Dorland’s Medical Dictionary  *LAE* = Longman’s Illustrated Animal Encyclopedia  *NZ* = Nomenclator Zoologicus  *Sted* = Stedman’s Medical Dictionary  *TNWD* = The New Welsh Dictionary by Evans & Thomas  *W2* = Webster’s Second Edition

**BOTH SCRABBLE PALINDROMES AND SCRABBLE TAUTONYMS**

The pattern **4.4** is worthy of note in being the only 2-digit pattern, apart from **1.1**, for which words were found. This is possible because the ‘6th vowel’ Y has a Scrabble value of 4.

Words which are letter palindromes or letter tautonyms are not admitted.

1.1  **1.1**  an as at in is it lo no on or so to us

2.2  **11.11**  ea.at li.st ru.le se.nt st.en to.ur

3.3  **111.111**  ant.ler enl.ist ins.ole lea.rnt lin.ers neu.ral orn.ate res.ult sul.tan Urs.ine

4.4  **4.4**  h.y (haste)  v.y (in card-playing, a challenge)

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121.121  adi.uge  (adjudge)
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111.1111  seno.rita insu.late urin.ates rela.tion Tiro.lean outr.aise  (an ‘aeiou’ word)
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5.5  **131.131**  amo.eba opt.ics scr.ape scr.ipt spl.ice spr.uce

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212.212  dod.ged dog.ged gad.ded gag.ged
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**1111.1111**  Lauri.eston (in UK)  Neola.tirus  (mollusc - NZ)
| 6.6 141.141 | Eve.lyn shr.ift shr.ive shr.ove thr.ive thr.own |
| 2112.2112 | ding.-dong drag.gled dred.ging drud.ging |
| 1111.1111 | teleo.saurian |
| 7.7 151.151 | ska.lke ski.nke skr.i ke (a screech) sku.lke |
| 313.313 | mob.cap (contains just one each of the letters with a value of 3, ie. B C M P, as does ‘upclimbs’* below) |
| 1113.1113 | impo. rable unpo.e.tical |
| 1111.1111 | neutral.isation trilat.ralness unilat.ralists |
| 8.8 1141.1141 | unfes.tival |
| 1131.1131 | upcl.imbs * 3113.3113 | plum.bism clip.-clop |
| 11111111.11111111 | anti.nati.onalists interna.tionalise translit.erations |
| 9.9 1151.1151 | enkli.tikos (Gk. ‘inclined’ – Cham) |
| 414.414 | fly.way |
| 11111111.11111111 | antisensa.tionalist |
| 10.10 4114.4114 | half-view |
| 113311.113311 | rumble.-tumble timber.-topper 131131.131131 | obtume.scence |
| 11.11 1414.1414 | swive.l-weft 4111.4111 | wroth.fully |

**SCRAMBLE PALINDROMES**

| 3.3 12.21 | ed.ge |
| 4.4 13.31 | im.ps |
| 1122.111 | lod.ger nig.gle rid.den rid.ges |
| 5.5 14.41 | Rh.ys (a surname) |
| 1133.111 | arm.pit lim.ber rum.ble tom.cat |
| 1112.2111 | sled.gers slud.gier stod.gier |
| 1121.1211 | indu.lger orga.ndie ungi. rdle |
| 6.6 15.51 | ek.ka (one-horse vehicle in India) ok.ka (an |
| 114.411 | eth.yls sty. ful \(\text{Egyptian weight}\) |
| 1113.3111 | stom.bles tram.pler |
| 1131.1311 | copi.able supe. rman |
| 2111.11112 | deto.nating grous.eland |
| 1211.11121 | adel.an tado (a Spanish grandee) |
| 2121.1212 | degr.aded |
| 213.312 | gam.bed gim.ped |
| 7.7 115.511 | tik.kle (tickle) luk. kin (to lock) |
| 1141.1411 | lavi. sher unfl. ower |
| 21.12 | di.ng du.ng go.ad go.ld gr.id |
| 31.13 | ba.lm bu.rp ca.lm cl.ub cu.rb |
| 211.112 | din.ing dos.ing gus.ted |
| 41.14 | ho.ly vi.ew wa.ry |
| 311.113 | pur.ism cat.nip bur.lap Put. nam |
| 2111.1112 | dera.ing gris.tled |
| 1211.1121 | i-gro.unde (ground = past part. of grind) |
| 51.15 | ki.nk ki. rk |
| 411.114 | hea. rty fou.rth fur.low van.ish |
| 3111.1113 | botu. ism coli.seum plat.inum |
| 1311.1131 | scle.roma |
| 11112.2111 | strag.glier nonad.dress |
| 11121.1211 | Laude. rdale landl. adies |
| 212.213 | pig.dom |
| 511.115 | kar.luk (Russian isinglass) |
| 1411.1141 | over.lays shoe.-lift over. lift |
7.7 contd.

1114.4111 Lathyrus outw.hine tray.fuls 4111.1114 flou.rish hone.stly hear.tily
11113.31111111111 intem.poral resum.ption 31111.111113 cent.riasm psalt.rium
11131.13111 uroel.epsia (Dor) 13111.111131 Apote. riums (shrubs)
211111.11111111 desali.nating gutter.alised
111211.121111 soundi.ngness
111211.112111 nonger.undial (W2) 112111.111211 Argent. inidae ingr.itudes
214.412 daw. yng (dawning) 412.214 fid.dly wag.gly

8.8 1115.5111 trek.kers
11114.411111 tarif. fless insuf. flate 41111.111114 Faunt. leroy harei.ously (aeiou word)
14111.11141 overs.trewn evalu. ative 114111.141111 univa.lvate (W2) out-fl.avour
111113.3111111 unslum.berous (W2) 311111.111113 conson. antism bilate. ralam
11131.13111 strept. obiose (Sted)
111311.113111 neo-cri.ticist 113111.111111 uncons. oable recons. tructs
1111112.21111111 autosug. gestion 211111.1111111 disill. sioning
111121.12111111 neurode. ndrites (W2) nonsegr. egation (W2)
111121.11211111 aerogeo. logists (W2)
3131.11111 caps.icum
21113.31112 disem. pired 311121.11113 blood-group (Cham)
21131.131112 descr. ibing
1412.2141 shad.dowe 412.1214 fadi.ngly hidingly
314.413 may. hem 413.314 hum.bly wob.bly

9.9 81.18 ji.nx
11151.15111 snake. skins
111114.411111 interw. histle ninety.firsts 411111.111114 fortui.tously frater.nality
111141.141111 earthe. nwares 141111.111141 tystio. laethu (Welsh: to testify –
311111.1111113 prole. rianism bioastr.onautic
111311.131111 erioetc. laceous (W2) telecon. nection
1131111.111131 Romano-E. truscan superlu. natical (W2)
211111111111111 disease-r. esisting
211113.311112 distem. pering 211131.131112 delacr. imated
211311.131112 deobstr. ucted discon. nted disbal. ancing
311121.121113 pseudo.rganic mesodu. odenum
311211.112113 Macdon. aholm
10.10 panspe.rmatic preope.rculum metaco.umaric
     albumo.scopes (W2) recipr.ocable spectr.oscope
     precri.ticism(W2) propes.simism(W2) macros.eismic
11.11 superem.pirical supraum.bilical superim.posable
     bacteri.otropic
     Whig.gify
12.12 Nanyf.fyllon (Wales)
     safety.-valves
     forrys.eventh
     overef.fusive

SCRAbble TautonymS

3.3 12.12 ag.ed eg.ad
     sc.ab sc.am
     Ing.rid rid.ing sid.ing
4.4 13.13 sh.ow
     rec.oup unc.lip
     tang.ling targ.eted uned.ited
     Eldo.rado rede.sign unde.rage
5.5 14.14 21.21 da.go di.gs do.ge go.ds gr.id
     ca.me mi.ce mo.bs pa.ce
     dan.ger dra.gon gar.den gol.den
8.6 51.51 sk.ek (a petty raid)
     inf.low lav.ish new.ish saf.ety
     necp.lasm sunc.ream
     nume.rics recl.aims supe.ract
     strid.elong (with legs wide apart)
     rende.rings ale-gr.ounds
7.7 115.115 unk.irk Sok.ulk (an Indian of a
      \Shahaptian tribe - W2)
     outf.lash seaf.orth slov.enly
     rift.-sawn sove.rayn unwr.the
      Leio.rcanum (an Arachnid - NZ)
     turbu.rence
     interd.ealing nitrog.enised triang.ulated
211111.211111 Darlin.gtonia (a pitcherplant – Cham)
     autode.alings
     single-loader Sooglo.ssidae (Order of frogs - LAE)
     audioll.ingual Euglen.oidina (Order of unicellular organisms)
21211.21211 Dugon.gidae (a family of aquatic herbivorous mammals)
412412 fig.hed
8.8 134.134 sch.emy
1115.1115 tink.tank
1114.1114 antif.elony north.ernly relev.antly
4111.4111 fallo.wness fetis.hists fores.hores
1114.1114 nonfe.stive 1411.14111 overi.nvest tylos.tylus
11111.11111 leptoc.entric neuro-c.entrum
31111.31111 biarti.culate maleru.ptions (W2) Petalo.crin us (an echinoderm - NZ)
11131.11131 insect.ariums nonobe.isance unrepe.ntance
11131.11131 neocl.assical surmou.ntable unobta.inable
11311.11311 Nemato.librus (a beetle - NZ)
13111.13111 ercrust.aceous (W2) scatte.rbrain (Cham)
111112.111112 autoreg.ulating
211111.211111 deutera.gonists disinte.grators gastroa.denitis (W2)

9.9 18.18 Aj.ax 81.81 ja.xe (a privy)
51111.51111 kall.krein (an enzyme)
10.10 811.811 jin.xer
11.11 11144.11144 oathw.orthy
14.14 41144.41144 wishy.-washy

SCRABBLE TRIPLE TAUTONYMS

3.3.3 12.12.12 i-g.od.ed (ME 'good') 21.21.21 dé.ga.gé (unembarrassed)
4.4.4 13.13.13 ic.ec.ap (Cham) 31.31.31 pu.mi.ce
5.5.5 14.14.14 sh.if.ty 41.41.41 fl.t.hs
6.6.6 15.15.15 Sk.ok.ak (Yugoslavia) 51.51.51 ko.kak.ko (New Zealand Wattle-bird)

SCRABBLE QUADRUPLE TAUTONYM

5.5.5.5 41.41.41.41 fi.ft.y-t.wo

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Scrabble Palindromes and Scrabble Tautonyms are not the sole genres of Scrabble Pattern words. A Scrabble Miami (pattern 'abcab'), for example, is found in Wight (Isle of), fight and highs (all with the pattern 41241), yacht (41341) and Bryce (31431).