

## NUMERICAL CHARADES Part 2

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Part 2 of Numerical Charades examines words which can be split into groups of letters whose numerical totals make **numerical series** when the letters are assigned a = 1, b = 2...z = 26. The series below fall into one of two categories. They are either progressive numerical charades (CAL.LE.R.S - 16.17.18.19) in which successive numbers increase; or regressive numerical charades (O.N.CIA.L, meaning 'divided into twelve equal parts' - 15.14.13.12) in which successive numbers decrease. Progressive and Regressive series other than consecutive numbers are also considered.

Some of the words offered also make Palindromic, Tautonymic or Miami numerical charades (see Part 1). These are shown in *italics*.

References are as given in Part 1.

### PROGRESSIVE NUMERICAL CHARADES

#### A. CONSECUTIVE NUMBERS

##### 1. Four groups of letters make four consecutive numbers

1.2.3.4 5.5	a.b.ba.d (abbot) <i>abb.ad</i>	2.3.4.5 7.7 5.4.5	B.ab.aab.ad <i>Babaa.bad</i> (Iran) <i>Bab.aab.ad</i>	3.4.5.6	c.ac.ad.ae (animal species name)
4.5.6.7	D.e.f.af (Arabic name)	5.6.7.8	e.f.fa.ce	6.7.8.9	Bac.abac.h.i (Mexico)
7.8.9.10	G.h.ed.ia (Libya)	8.9.10.11	H.i.j.aj (Libya)	9.10.11.12	Ha.j.ja.l (Jordan)
10.11.12.13	J.aj.cha.la (Bolivia)	11.12.13.14	K.ic.he.n (Malaysia)	12.13.14.15	ka.m.ida.na (type of shrine)
13.14.15.16 29.29	M.am.bal.ao <i>Mamb.alao</i> (Philippines)	14.15.16.17	ma.na.p.le (a handful)	15.16.17.18 15.51 31.22.13	Na.gi.pa.em (Papua <i>Na.gipaem</i> \NG) <i>Nagi.pae.m</i>
16.17.18.19 42.4.24	P.el.ide.s (son of Peleus) <i>Peli.d.es</i> (W2)	17.18.19.20	el.em.ent	18.19.20.21	fl.en.chi.ng (stripping seal skin)
19.20.21.22	do.t.ta.rd	20.21.22.23	cap.il.lai.re	21.22.23.24 43.4.43	u.gan.den.se (plant <i>ugan.d.ense</i> \ sp. name)
22.23.24.25	arc.han.gel.ical	23.24.25.26	sca.ll.awa.gs	25.26.27.28	pi.nic.ol.ine (inhabits pine woods)
26.27.28.29 91.19	lei.sh.mān.ias <i>leishmania.s</i> (protozoans - Ch)	27.28.29.30	lo.an-m.on.ger	28.29.30.31	mo.no.gami.ze
29.30.31.32	mana.ger.iali.sm				

## 2. Five groups of letters make five consecutive numbers

1.2.3.4.5	A.b.ba.d.e (a surname)	4.5.6.7.8	D.e.f.fa.h (Zaouit Deffah is in Morocco)
5.5.5	<i>Abb.ad.e</i>	15.15	<i>Def.fah</i>
		9.6.6.9	<i>De.f.f.ah</i>

## B. ALTERNATE NUMBERS

### 1. Even Numbers

2.4.6.8	B.ac.bac.h (Somalia)	6.8.10.12	f.ec.ia.l	8.10.12.14	h.ead.l.am
8.4.8	<i>Bacb.ac.h</i>			13.31	<i>he.adlam</i>
12.14.16.18	l.ei.dge.r	14.16.18.20	N.ek.em.t (Ethiopia)	16.18.20.22	p.r.elab.ial
18.20.22.24	Co.t.ehi.ll (UK)	20.22.24.26	T.ila.ain.ate (Morocco)	22.24.26.28	mi.ll.epe.des
24.26.28.30	se.lf-ga.ug.ing ( <i>W2</i> )	26.28.30.32	ko.eni.gho.rn (musical instrument)		

### 2. Odd Numbers

1.3.5.7	A.c.e.be (Spain)	3.5.7.9	c.ad.g.ed	5.7.9.11	Da.g.i.bi (Ethiopia)
7.9.11.13	G.i.ja.m (Afghanistan)	11.13.15.17	bi.m.o.dal	13.15.17.19	m.o.le.s
15.17.19.21	je.le.ra.ng ( <i>W2</i> )	17.19.21.23	Pa.ra.mec.in ( <i>Sted</i> )	19.21.23.25	s.u.lk.y
				52.11.25	<i>sul.k.y</i>
21.23.25.27	pe.ni.aph.obia (fear of poverty – <i>Book of Intriguing Words</i> by Paul Hellweg, 1993)				

## C. MULTIPLES

Succeeding numerical letter group totals increase by a constant multiple.

### x 2

1.2.4.8	A.b.d.abad (Iran)	2.4.8.16	B.ac.h.ao (Pakistan)	3.6.12.24	c.ae.l.ian ( <i>Ch</i> )
7.1.7	<i>Abd.a.bad</i>				
4.8.16.32	d.ec.ig.ram	5.10.20	da.gab.as (shrines for sacred relics)	6.12.24.48	F.l.es.sias (Greece)
7.14.28.56	g.am.mo.ners	8.16.32	H.oa.gy	9.18.36	I.r.eland
		23.1.32	<i>Ho.a.gy</i>		
10.20.40	ai.r-b.us	11.22.44	k.im.ono	12.24.48	l.aw.yer

### x 3

1.3.9.27	a.c.i.der	2.6.18.54	b.ea.r.herds	3.9.27.81	ab.i.oge.nists ( <i>W2</i> )
4.12.36	ca.l.mer	5.15.45	e.o.sate ( <i>W2</i> )	5.15.45	e.na.lagy
		5.55.5	<i>e.osat.e</i>	32.1.32	<i>enal.a.gy</i>
6.18.54	f.r.ost	7.21.63	g.at.ecrashed	8.24.72	ga.ll.antly
39.39	<i>fro.st</i>				
9.27.81	ha.lo.genous	10.30.90	J.ing.longqiao (China)	11.33.99	k.lu.tziest ( <i>OSPD</i> )
				44.55.44	<i>klu.tzi.est</i>

**x 4**

1.4.16.64 A.d.ek.unsia (Ghana) - these are also square numbers ( $1^2.2^2.4^2.8^2$ )

3.12.48 c.l.erical 4.16.64 ca.p.ture 5.20.80 e.as.terly

6.24.96 ea.se.fulness 7.28.112 g.eoce.ntricist

83.5.38 *easefuln.e.ss*

**x 5**

1.5.25 a.e.cial 2.10.50 b.ai.zes 3.15.75 c.o.ncerto  
35.5.53 *conc.e.rto*

3.15.75 c.o.lliers 4.20.100 ca.t.apulting 5.25.125 e.xa.speratedly  
42.9.42 *coll.i.ers* 62.62 *catapu.lting*

**D. OTHER NUMERICAL SERIES**

Successive numerical letter group totals are consecutive squares, consecutive cubes, consecutive primes or consecutive numbers in the Fibonacci series.

**Squares**

1.4.9 a.bb.ace 4.9.16 ca.i.che 9.16.25 De.nb.y (UK)

16.25.36 p.all.ish 25.36.49 hel.iol.ithic 36.49.64 shi.ftin.gness  
16.61 *p.allish*

**Cubes**

1.8.27.64 A.h.amm.edpur (Bangladesh)

**Primes**

5.7.11.13 Da.g.hba.di (Saudi Arabia) 7.11.13.17 G.ef.al.le (Germany) 11.13.17.19 bi.m.bo.s

13.17.19.23 la.bo.ra.re (Ch) 17.19.23.29 Bo.s.w.ell 19.23.29.31 s.ho.e.nai.ls

23.29.31.37 re.ti.nap.htha

**Fibonacci**

1.2.3.5.8 A.b.ab.da.h (Egypt) 3.5.8.13 C.e.ga.al (Somalia) 5.8.13.21 Da.h.ega.ng (China)

8.13.21.34 ga.la.u.nt 13.21.34.55 m.u.cagin.ous

**REGRESSIVE NUMERICAL CHARADES****A. CONSECUTIVE NUMBERS IN REVERSE**

**Four groups of letters make four consecutive numbers in reverse.**

4.3.2.1 d.ab.b.a (*W2*) 5.4.3.2 E.d.ba.b (Jordan) 6.5.4.3 F.ad.d.ab (surname)

5.5 *da.bba* 5.4.5 *E.d.bab* 7.4.7 *Fa.d.dab*

7.6.5.4 af.f.e.d (Scot: 'ran off') 8.7.6.5 h.af.f.e (have) 9.8.7.6 Ha.ga.g.ea (Egypt)

10.9.8.7	J.i.h.af (Sudan)	11.10.9.8	Bi.j.i.ga (Afghanistan)	12.11.10.9	Ka.ja.j.i (Ghana)
13.12.11.10	La.ak.k.ee (Finland)	14.13.12.11	ma.la.hac.k (to cut badly)	15.14.13.12	fi.n.ica.l
16.15.14.13	p.an.n.age (pasturage for swine)	17.16.15.14	pa.dl.o.ck	18.17.16.15	r.ob.ig.o (the rust of inactivity)
19.18.17.16	Ar.r.hi.gi ( <i>Dor</i> )	20.19.18.17	t.s.addi.q ( <i>Ch</i> )	21.20.19.18	ta.chi.s.me (style of painting)
22.21.20.19	sc.u.t.s	23.22.21.20	re.sc.u.able	24.23.22.21	Se.lja.hei.dhi (Iceland)
25.24.23.22	Jo.ian.w.ali (Pakistan)				

## B. ALTERNATE NUMBERS IN REVERSE

### 1. Even Numbers

14.12.10.8	Ma.l.aha.h (Israel)	16.14.12.10	P.ie.ka.j (Albania)	18.16.14.12	r.oa.ma.ge ( <i>W2</i> )
13.31	<i>M.alahah</i>				
20.18.16.14	t.r.oa.n (truant)	22.20.18.16	pea.t.-co.ke	24.22.20.18	se.a-cr.ack.e.r
26.24.22.20	Z.es.hn.as (Iran)				

### 2. Odd Numbers

7.5.3.1	g.ad.ab.a (an Indian language)	9.7.5.3	Ha.be.da.ba (Syria)	11.9.7.5	k.ed.g.e
8.8	<i>ga.daba</i>	8.8.8.	<i>H.abe.daba</i>	16.16	<i>ke.dge</i>
13.11.9.7	M.aj.ha.fa (Yemen)	15.13.11.9	Bal.al.lib.i (Uganda)	17.15.13.11	El.o.deac.eae ( <i>W2</i> )
19.17.15.13	gl.ob.o.id	21.19.17.15	Alga.ra.bej.o (Spain)	23.21.19.17	ho.u.s.el
25.23.21.19	te.re.bra.s ( <i>Ch</i> )	27.25.23.21	lo.y.ni.ng	29.27.25.23	no.n-he.bre.w ( <i>W2</i> )
31.29.27.25	po.lice.sh.ip				
52.8.52	<i>poli.ce.ship</i>				

## C. MULTIPLES IN REVERSE

Succeeding numerical letter group totals decrease by a constant divisor.

### ÷ 2

8.4.2.1	Ga.ca.b.a (FR. Guiana)	12.6.3	l.ea.c (to pull up, or weed)	32.16.8.4	wi.de-fa.ce.d ( <i>W2</i> )
7.1.7	<i>G.a.caba</i>				
40.20.10.5	Dou.mbad.j.e ( <i>Chad</i> )	24.12.6	se.l.f	56.28.14.7	itemi.si.n.g
72.36.18.9	unhon.ou.r.ed	44.22.11	fore.lee.ch ( <i>W2</i> )	48.24.12	cannabid.io.l
		61.16	<i>forele.ech</i>		
52.26.13	vati.cin.al ( <i>Ch</i> )	60.30.15	Macchiav.ili.an	64.32.16	stip.tic.ke
68.34.17	extra.ctib.le	76.38.19	fizzi.nes.s	80.40.20	twyl.ygh.t

### ÷ 3

27.9.3.1	fabr.i.c.a ( <i>Ch</i> )	18.6.2	co.bca.b ( <i>W2</i> )	81.27.9.3	anglocath.ol.i.c
		20.4.02	<i>cob.ca.b</i>		
36.12.4	hug.ge.d	45.15.5	ty.cl.e	54.18.6	Desmid.iace.ae ( <i>W2</i> )

63.21.7	germ-t.u.be	72.24.8 72.5.27	fluor.es.ce <i>fluor.e.sce</i>	81.27.9	yout.hen.ed ( <i>OSPD</i> )
90.30.10	Asterol.epi.dae ( <i>W2</i> )	99.33.11 62.55.26	cryptob.ran.ch <i>cryp.tobr.anch</i>	108.36.12	triquadr.anta.l
117.39.13	supracru.st.al	126.42.14	frontiste.rio.n		
<b>÷ 4</b>					
64.16.4.1	spon.gi.d.a ( <i>W2</i> )	32.8.2	Ram.h.aa (Eritrea)	48.12.3	angeli.ci.c ( <i>W2</i> )
64.16.4 42.42	humpbac.ke.d <i>hum.pbacked</i>	80.20.5	diploph.as.e ( <i>W2</i> )	96.24.6	Halopsy.chid.ae ( <i>W2</i> )
<b>÷ 5</b>					
125.25.5.1	tetraphyl.lid.e.a (a tapeworm)	50.10.2	Qul.ai.b (Saudi Arabia)	75.15.3	ecospeci.fi.c
100.20.4	transis.chi.ac	150.30.6	indignation-pr.oo.f ( <i>W2</i> )		

#### D. OTHER NUMERICAL SERIES IN REVERSE

##### Squares

9.4.1	ha.bb.a	16.9.4	fee.de.d	25.16.9 25.25	hel.p.ed <i>hel.ped</i>
36.25.16 61.16 52.25	sle.dli.ke ( <i>W2</i> ) <i>sledli.ke</i> <i>sledl.ike</i>	49.36.25 16.33.61	pro.sel.ike ( <i>W2</i> ) <i>p.ro.se-like</i>	64.49.36	stet.hogra.phic ( <i>Sted</i> )
81.64.49	myceto.genetica.lly ( <i>Sted</i> )				

##### Cubes

27.8.1 18.18	ri.h.a (rhea - <i>Ch</i> ) <i>r.ih</i> a	64.27.8	signif.ican.ce		
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##### Primes

7.5.3.2	G.e.ba.b (Egypt)	11.7.5.3	k.eb.e.c	13.11.7.5	M.aj.dab.ad (Iran)
17.13.11.7	Q.al.ib.af (Iran)	19.17.13.11	s.el.la.k	23.19.17.13	Re.s.el.la (surname)
29.23.19.17 71.17	no.w.s.el <i>nows.el</i>	31.29.23.19	po.rk.er.s	37.31.29.23	buck.-ju.mp.er

##### Fibonacci

5.3.2.1	Da.ba.b.a (Nigeria)	8.5.3.2	H.e.ba.b (Syria)	21.13.8.5	u.m.ag.e
34.21.13.8	Lang.ahl.id.h (Iceland)	55.34.21.13	isoacce.nt.u.al		