FUNCTIONAL TAUTONYMS

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Numerical Tautonyms such as GULP (G + U = 28 and L + P also = 28) have appeared in previous issues of Word Ways. Letters (in this case 2) from each half of the word are **added (+)** according to their alphabetical values. However, there are other ways of achieving numerical tautonyms.

There are numerical tautonyms in which the 2 letters from each half of the word are **subtracted (−)** according to their alphabetical values.

1	BATS	$B - A = T - S$	2	CARP	$C - A = R - P$	3	LISP	$L - I = S - P$
4	PLEA	$P - L = E - A$	5	FARM	$F - A = R - M$	6	KEYS	$K - E = Y - S$
7	VOLE	$V - O = L - E$	8	MELD	$M - E = L - D$	9	JANE	$J - A = N - E$
10	YOND	$Y - O = N - D$	11	LAMB	$L - A = M - B$	12	MATH	$M - A = T - H$
13	NARE	$N - A = R - E$	14	WISE	$W - I = S - E$	15	PATE	$P - A = T - E$
16	SCUE	$S - C = U - E$	17	RAVE	$R - A = V - E$	18	SAWE	$S - A = W - E$
19	TAXE	$T - A = X - E$	20	YEUA	$Y - E = U - A$	21	VAZE	$V - A = Z - E$
				(Ethiopia)				

Numerical tautonyms in which the 2 letters from each half of the word are both **multiplied (x)** or both **divided (÷)** are rare:

25   EEYA (Indonesia) $E \times E = Y \times A$

3   CALD (cold) $C \div A = L \div D$

These 4-letter words each use 2 of the 4 different functions:

AABA is a sponge; CHES = old spelling of CHESS; KOMB = old spelling of COMB; WEDG = old spelling of WEDGE; WIDH in Libya; TOGE = old word for a cloak of loose coat; BROU = old spelling of BROW; WOB = old spelling of WEB; HEU = old form of HEW, HUE.

1	AABA	$A \div A = B - A$	2	BANG	$B \times A = N \div G$	3	BANK	$B + A = N - K$
4	DARN	$D \div A = R - N$	5	TOAD	$T - O = A + D$	6	FAYS	$F \times A = Y - S$
7	SLAG	$S - L = A \times G$	8	GAME	$G + A = M - E$	9	RIDE	$R - I = D + E$
10	BEND	$B \times E = N - D$	11	PEAK	$P - E = A \times K$	12	ALMA	$A \times L = M - A$
13	MARE	$M \div A = R - E$	14	SEAM	$S - E = A + M$	15	PACE	$P - A = C \times E$
16	KERB	$K + E = R - B$	17	PAVE	$P + A = V - E$	18	RAND	$R \times A = N + D$
19	SARA	$S \times A = R + A$	20	BRED	$B + R = E \times D$	21	VAIL	$V - A = I + L$
22	WARD	$W - A = R + D$	23	WARE	$W \times A = R + E$	24	CHES	$C \times H = E + S$
25	YANK	$Y \times A = N + K$	26	KOMB	$K + O = M \times B$	27	LOCI	$L + O = C \times I$
28	WEDG	$W + E = D \times G$	29	not possible		30	BOKS	$B \times O = K + S$
31	not possible		32	WIDH	$W + I = D \times H$	33	LUCK	$L + U = C \times K$
34	none found		35	TOGE	$T + O = G \times E$	36	BROU	$B \times R = O + U$
37	not possible		38	WOB	$W + O = B \times S$	39	none found	
40	HEUS	$H \times E = U + S$						

These 6-letter words each use 3 of the 4 different functions:

1 AARRED (Western Sahara) A x A = R ÷ R = E – D 2 AAKIBA (Syria) A + A = K – I = B x A

3 BAURAC B + A = U – R = A x C 4 ACADIE A + C = A x D = I – E

5 OCTOAD O ÷ C = T – O = A + D 6 FARCIC (farcical) F x A = R ÷ C = I – C

7 GALEGA (plant genus) G x A = L – E = G ÷ A 8 HADDAH H ÷ A = D + D = A x H

9 RICCIA (Italy) R – I = C x C = I ÷ A 10 BENDEE (Hibiscus genus) B x E = N – D = E +E

11 PECHAK (Afghanistan) P – E = C + H = A x K 12 KAMALA*(yellow dye) K + A = M – A = L ÷ A

13 MARELA (Mali) M x A = R – E = L + A 14 ANWICK (UK) A x N = W – I = C + K

15 PANACE (a healing herb) P – A = N + A = C x E 16 PAPAGI (a US Indian people) P x A = P ÷ A = G+I

17 QARANC Q x A = R – A = N + C 18 SANDRA S – A = N + D = R x A

19 SATARA (India) S x A = T – A = R + A 20 ASTAYE (Ethiopia) A + S = T ÷ A = Y – E

21 TAZEAU (Haiti) T + A = Z – E = A x U 22 VAWARD (vanguard) V x A = W – A = R + D

23 BUWAWA (Nigeria) B + U = W x A = W ÷ A 24 CHIOYA (Zimbabwe) C x H = I + O = Y – A

25 YANKEE Y ÷ A = N + K = E x E 26 ZAMBUE(Mozambique)Z ÷ A = M x B = U + E

MALAKA (to possess) M – A = L ÷ A = K + A is a transposal of KAMALA*

These 8-letter words each use all 4 different functions:

14 SEGGANNA (Libya) S – E = G + G = A x N = N ÷ A

18 SANDRARA (Madagascar) S – A = N + D = R x A = R ÷ A

— Trois chiens se disputant une proie —
Quelle est cette proie ?