THE INSIDE AND OUTSIDE OF FOUR LETTER WORDS

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Letters are given their alphabetical values A = 1 to Z = 26

In each of the four categories *addition, subtraction, multiplication* and *division,* the first and last letters of a 4-letter word work together (H + O in HERO = 23) to give the same result as the second and third letters working together (E + R in HERO = 23):

addition H E R O H + O = 23 = E + R
8 5 18 15

subtraction S L I P S - P = 3 = L - I
19 12 9 16

multiplication C E L T C x T = 60 = E x L
3 5 12 20

division D R I B D ÷ B = 2 = R ÷ I
4 18 9 2

ADDITION

4 3 2 1 4 + 1 = 3 + 2

B E A D B + D = 6 = E + A
2 5 1 4 2 + 4 = 5 + 1

B A F E B + E = 7 = A + F
(a place in Senegal)

B A T S B + S = 21 = A + T

B E V Y B + Y = 27 = E + V

B O E R B + R = 20 = O + E

C A G E C + E = 8 = A + G

C O G S C + S = 22 = O + G

F E E D F + D = 10 = E + E

G A Y S G + S = 26 = A + Y

H A L E H + E = 13 = A + L

H A N G H + G = 15 = A + N

H E D A H + E = 9 = E + D
(a place in Sweden)

I N D I I + I = 18 = N + D

J I B A J + A = 11 = I + B
(a place in Yemen)

J O I N J + N = 24 = O + I

J U D O J + O = 25 = U + D

K I C A K + A = 12 = I + C
(a place in Serbia)

L A M B L + B = 14 = A + M

L I N K L + K = 23 = I + N

L O A D L + D = 16 = O + A

L O B E L + E = 17 = O + B

L O P S L + S = 31 = O + P

M O R T M + T = 33 = O + R

N O D E N + E = 19 = O + D

O N Y X O + X = 39 = N + Y

P O U T P + T = 36 = O + U

S O O K S + K = 30 = O + O
(a female crab)

S O W S S + S = 38 = O + W

S P U R S + R = 37 = P + U

S T O P S + P = 35 = T + O

S U M O S + O = 34 = U + M

T O N I T + I = 29 = O + N

T U S T T + T = 40 = U + S
(a place in Czechoslovakia)

W I S E W + E = 28 = I + S

W I W I W + I = 32 = I + W
(a girl's first name)

SUBTRACTION

H E A D H - D = 4 = E - A
4 2 1 3 4 - 3 = 1 = 2 - 1

H O L E H - E = 3 = O - L

I R J A I - A = 8 = R - J
(*Irja* is a diminutive of Irene)

J E D I J - I = 1 = E - D

J O F A J - A = 9 = O - F
(a clothing brand name)

K I C E K - E = 6 = I - C
(a surname)

L Y R E L - E = 7 = Y - R

M O C A M - A = 12 = O - C
(a place in Puerto Rico)

O S I E O - E = 10 = S - I
(a place in Poland)

P O D E P - E = 11 = O - D

R O B E R - E = 13 = O - B

R O A D R - D = 14 = O - A

R O M P R - P = 2 = O - M

S T E D S - D = 15 = T - E

S T O N S - N = 5 = T - O
Ston is a city in Croatia

T O N S T - S = 1 = O - N

T U B A T - A = 19 = U - B

U R B E U - E = 16 = R - B
(a place in Italy)

V Y D A Y - D = 21 = V - A
(a first name)

X Y B A X - A = 23 = Y - B
(a company name)

Y U A E Y - E = 20 = U - A
(a species of flea beetle)

Z U C H Z - H = 18 = U - C
(a surname)

Z U D I Z - I = 17 = U - D
(a place in China)

Z W A D Z - D = 22 = W - A
(a surname)

Z Y A B Z - B = 24 = Y - A
(a first name)

MULTIPLICATION

6 3 2 1 6 x 1 = 3 x 2

A C C I A x I = 9 = C x C
1 3 3 9 1 x 9 = 3 x 3
(Acci is a Roman place name in Spain)

A E A **E** **A** x **E** = 5 = E x A
(a road name in Hawaii)

B A B **A** **B** x **A** = 2 = A x B
(Baba is a girl's first name)

B A J E B x E = 10 = A x J
(a place in Angola)

B A N G B x G = 14 = A x N

B A R I B x I = 18 = A x R
(a place in Italy)

B H A D B x D = 8 = H x A
(a place in India)

C A C **A** **C** x **A** = 3 = A x C
(a Roman goddess)

C L A D C x D = 12 = L x A

D A D **A** D x A = 4 = A x D
(father)

D A T E D x E = 20 = A x T

F A F **A** F x A = 6 = A x F
(an island in Tonga)

G A G **A** G x A = 7 = A x G

K A K **A** K x A = 11 = A x K
(a place in Iran, also a first name)

M A M **A** M x A = 13 = A x M

O C E A O x A = 15 = C x E
(a girl's first name)

P A P **A** P x A = 16 = A x P

Q A Q **A** Q x A = 17 = A x Q
(a place in Iraq)

S A S **A** S x A = 19 = A x S
(a place in Israel)

DIVISION

6 2 1 3 6 ÷ 3 = 2 ÷ 1

D R I B D ÷ B = 2 = R ÷ I
4 18 9 2 4 ÷ 2 = 18 ÷ 9

O L D E O ÷ E = 3 = L ÷ D

T E A D T ÷ D = 5 = E ÷ A
(*tead* is early English for a torch)