

THE DISTRIBUTIVE PROPERTY

Use the distributive property to simplify or factoring to expand the expressions below. Then, use the corresponding letter with to each matching expression to help you solve the riddle at the bottom.

1 $8(4x - 12)$	2 $5(3x - 7 + 4y)$
3 $6x + 2(5x - 6)$	4 $36x - 6$
5 $6(4x - 3) - 9x$	6 $2.5(3x + 8y)$
7 $\frac{1}{3}(12 - 9y)$	8 $2.5(10x + 8) + 3x$
9 $10x + 35$	10 $\frac{1}{4}(-16x + 8)$
11 $7x + 3(8x + 7)$	12 $9y - 36$
13 $12x - 15$	

W: $5(2x + 7)$	L: $12x - 6$	Y: $15x - 35 + 20y$	T: $4 - 3y$
C: $18y + 12$	R: $6(6x - 1)$	I: $16x - 12$	H: $5(x + 9 + 3y)$
O: $31x + 21$	E: $9(y - 4)$	V: $3(4x - 5)$	G: $28x + 20$
A: $7.5x + 20y$	S: $32x - 96$	D: $15x - 18$	N: $-4x + 2$

WHY DID THE OBTUSE ANGLE GO TO THE BEACH?

3 7 9 6 1 11 13 12 4 10 3 10 12 7 2 5 12 8 4 12 12 1