

DOUBLE CROSS

1. What do you get when you cross a porcupine with a gopher?

20 0 22 81 81 62 1 7 32 0 60 1 62 20 24 26

2. What do you get when you cross a pelican with a lightning bolt?

20 100 32 8 62 1 62 90 0 5 32 90 100 32 1 1



TO DECODE THE ANSWERS TO THESE TWO QUESTIONS:

Evaluate each expression below using the values

$a = 1$, $b = 2$, $c = 3$, $w = 0$, $x = 10$, and $y = 6$.

Each time your answer appears in the code, write the letter of that exercise above it.



- (H) xy
- (A) $b + (cy)$
- (W) $x - (ac)$
- (S) $(7b) + (4c)$
- (E) $(8x) - (3y)$
- (U) $(ax) + (by)$
- (B) $(2x) \cdot (b + c)$
- (G) $\frac{(x + y)}{(c - a)}$

- (R) $\frac{(xy)}{(x + b)}$
- (T) $\frac{(wa)}{b}$
- (K) $(x - y) \cdot (y - w)$
- (N) $c \cdot (y + c) \cdot (y - c)$
- (C) $\frac{(3x)}{b} \cdot (abc)$
- (I) $(8bc) - (w + x + y)$
- (L) $\frac{(x - b)}{(y + b)}$

Why Should You Look Out for a Pig That Knows Karate?



Simplify or evaluate each expression below, as directed. Find your answer in the corresponding answer column. Write the letter of the exercise in the box that contains the number of the answer.

SIMPLIFY:

(I) $4 \cdot 9 + 1$

(T) $6 + 7 \cdot 10$

(U) $42 - 2 \cdot 7$

(O) $8 + 50 \div 2$

(E) $(10)(3) - 4$

(G) $2 \cdot 8 + 3 \cdot 5$

(A) $\frac{60}{3} - (2)(4)$

(T) $5 \cdot 12 + \frac{32}{16}$

(Y) $3 + 2 \cdot 5 \cdot 8$

(I) $(4)(6)(3) - 20 + 1$

(O) $18 \div 2 \times 3$

(R) $3 \cdot 3 + 4 \cdot 4 - 5 \cdot 5$

Answers:

(7) 62

(22) 27

(9) 37

(5) 31

(17) 33

(2) 76

(15) 12

(18) 0

(12) 83

(14) 28

(1) 53

(11) 26

EVALUATE if $a = 2$, $b = 3$, $x = 5$, $y = 8$, and $w = 20$:

(I) $4x + 7$

(C) $1 + 6y$

(H) $9 - 2b$

(O) $8x + 3y$

(M) $a + bw$

(V) $aw - by$

(P) $b + \frac{w}{x}$

(G) $\frac{bw}{x} - a + 7$

(K) $abxy - 5w$

(H) $36 - 4ab$

(P) $5 + 3x - \frac{w}{a}$

Answers:

(10) 16

(16) 10

(8) 17

(20) 49

(13) 64

(21) 12

(4) 27

(23) 7

(3) 62

(19) 140

(6) 3

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23