## How Is a Mouse Like Grass in a Meadow?

For each exercise, identify the integer that results from combining the two arrows. Write the letter of the exercise in the box containing the answer.


| 16 | 3 | -24 | -4 | 5 | -6 | -25 | 0 | -7 | 12 | -2 | -50 | 1 | -5 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

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E-57
TOPIC 5-c: Adding Integers: Using the Number Line

# When Do a Bunch of Cold Germs Celebrate a Victory? 

Do each exercise and find your answer in the corresponding set of answer boxes. Write the letter of the exercise in the box containing the answer.

(E) $-3+-4$
(1) $-20+-30$
(Y) $-6+-1+-3$
(N) $-8+-5$
(A) $7+8$
(W) $-4+-7+-11$
(H) $-7+-7$
(B) $-9+-2$
(G) $-9+-9+-9$
(T) $-1+-16$
(N) $-4+-40$
(H) $13+2+6$
(E) On first down, the Vultures lost 6 yd. On second down, they lost 5 yd. On third down, they lost 8 yd. Use an integer to express their overall change in position as a result of the three plays.
$\ldots \quad \mathrm{yd}$
(R) A scuba diver dove 18 ft below the surface to observe a school of fish. Then he dove another 24 ft to the bottom. If he started at sea level, what was his elevation when he reached the bottom? $\qquad$ 15
(s) $-33+-15$
(O) $-47+-20$
(E) $-7+-13+-6$
(E) $-29+-64$
(E) $-8+-75$
(T) $-19+-48+-5$
(A) $-41+-58$
(S) $35+39$
(H) $-25+-25+-25$
(I) $72+16$
(N) $-87+-24$
(2) $-8+-8+-8+-8$
(M) The temperature at 10 A.M. was $-7^{\circ} \mathrm{F}$. By noon, the temperature had dropped $12^{\circ}$ F. By 2 P.M., it had dropped another $5^{\circ} \mathrm{F}$. What was the temperature at 2 P.M.?
(N) Rolex wrote a check for $\$ 45$. The next day, he wrote a check for $\$ 32$. Use an integer to express the change in his bank balance when the two checks were cashed. \$

| -24 | -99 | -111 | -76 | -72 | -67 | 82 | -75 | 88 | 74 | -27 | -48 | -77 | -26 | -93 | -32 | -83 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

## Why Didn't the Butterfly Go to the Dance?

Write each answer, then mark it in the answer column. For each set of exercises, there is one extra answer. Write the letter of this answer in the corresponding box at the bottom of the page.


| 1 | $\begin{aligned} & -5+2 \\ & 7+-3 \\ & -4+-6 \end{aligned}$ |  | Answers: <br> (V) 4 <br> (C) -3 <br> (A) -8 <br> (K) -10 |  |  |  | $8$ | $\begin{aligned} & 9+-4 \\ & 3+-7 \\ & -6+15 \end{aligned}$ |  | Answers:$\begin{cases}9 & \text { (A) }-4 \\ 12 & \text { (U) } 5\end{cases}$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2 | $\begin{aligned} & 1+-8 \\ & -6+-12 \\ & -2+9 \end{aligned}$ |  | (F) 7 <br> (L) 13 <br> (U) -7 <br> (J) -18 |  |  |  | $9$ | $\begin{aligned} & -7+1 \\ & -5+-12 \\ & 9+-20 \end{aligned}$ |  | $\begin{array}{ll} \text { (A) } 8 & \text { (T) }-11 \\ \text { (P) }-6 & \text { (E) }-17 \end{array}$ |  |  |  |
| 3 | $\begin{aligned} & \hline-7+6 \\ & 5+-8 \\ & 12+13 \end{aligned}$ |  | $\begin{array}{ll} \text { (G) }-1 & (\mathbb{N}) \\ \text { (Y) } & -3 \\ \hline & (H) \\ \hline \end{array}$ |  |  |  | $10$ | $\begin{aligned} & -4+-3 \\ & -4+3 \\ & 4+-3 \end{aligned}$ |  | $\begin{array}{ll} \text { (C) }-7 & \text { (R) } 1 \\ \text { (T) } 7 & \text { © }-1 \end{array}$ |  |  |  |
| 4 | $\begin{aligned} & -10+-10 \\ & 17+-1 \\ & -11+5 \end{aligned}$ |  | (D) 16 (T) -8 <br> (B) -20 (B) -6 |  |  |  | $11$ | $\begin{aligned} & \hline-8+18 \\ & 6+-19 \\ & 13+5 \end{aligned}$ |  | $\begin{array}{lll} \text { (N) } 10 & \text { (W) }-16 \\ \text { (F) } 18 & \text { (S) }-13 \end{array}$ |  |  |  |
| 5 | $\begin{aligned} & 4+-9 \\ & -7+-15 \\ & -3+12 \end{aligned}$ |  | (A) 14 <br> (0) 9 <br> (P) -22 (C) -5 |  |  |  | $12$ | $\begin{aligned} & \hline 11+-2 \\ & -7+-4 \\ & -15+8 \end{aligned}$ |  | $\begin{array}{ll} \text { (L) } 12 & \text { (E) } 9 \\ \text { (D) }-7 & \text { (T) }-11 \end{array}$ |  |  |  |
| $6$ | $\begin{aligned} & 16+-8 \\ & -5+20 \\ & -6+6 \end{aligned}$ |  | $\begin{array}{ll} \text { (M) } 8 & \text { (T) } \\ \text { (S) } & 15 \\ \text { (S) } & 0 \end{array}$ |  |  |  | $13$ | $\begin{aligned} & -6+12 \\ & 99+-99 \\ & 3+-5 \end{aligned}$ |  | $\begin{array}{ll} \text { (P) }-2 & \text { (G) } 6 \\ \text { (B) } 0 & \text { (B) }-4 \end{array}$ |  |  |  |
| 7 | $\begin{aligned} & -13+-4 \\ & -7+2 \\ & 14+-16 \end{aligned}$ |  | $\begin{array}{lll} \text { (F) }-5 & \text { (Z) } & -17 \\ \text { (E) }-2 & \text { (O) } & 10 \end{array}$ |  |  |  | $14$ | $\begin{aligned} & \hline-20+-30 \\ & 701-40 \\ & -70+40 \end{aligned}$ |  | $\begin{array}{ll} (Y) & -50(M) \\ \text { (N) } & 50 \\ \hline \end{array}$ |  |  |  |
| 8 | 4 | 11 | 1 | 6 | 9 | 14 | 7 | 10 | 3 | 13 | 5 | 2 | 12 |

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