

Grade	Subject	Chapter	Lesson	Live worksheet
9	Math	1	1	1

1. Choose the correct verbal expression for the algebraic expression  $2(y^2 - 9) + 4$ .

- A. ☐ two times  $y$  squared minus nine plus four
- B. ☐ two times the quantity of  $y$  squared minus nine, plus four
- C. ☐  $y$  squared minus nine times two, plus four
- D. ☐ 9 less than  $y$  squared minus nine plus four

2. For a field trip breakfast, the school ordered 150 omelets and 200 glasses of orange juice. Write an algebraic expression that represents the cost of breakfast.

- A. ☐  $(150 + e) + (200 + f)$
- B. ☐  $350 \cdot e \cdot f$
- C. ☐  $350 + e + f$
- D. ☐  $150e + 200f$

3. The surface area of a rectangular prism is two times the entire quantity of length times width plus length times height plus width times height. Write an algebraic expression for the surface area of a rectangular prism.

- A. ☐  $SA = 2(l \cdot w + l \cdot h + w \cdot h)$
- B. ☐  $SA = (l \cdot w + l \cdot h + w \cdot h)$
- C. ☐  $SA = 2(l \cdot w) + l \cdot h + w \cdot h$
- D. ☐  $SA = 2(l \cdot w + l \cdot h) + w \cdot h$

4. Write an algebraic expression for the verbal expression five times the quantity  $x$  squared plus three, minus  $f$ .

- A. ☐  $5(x^2 + 3 - f)$
- B. ☐  $5x^2 + 3 - f$
- C. ☐  $5(x^2 + 3) - f$
- D. ☐  $5 \cdot x^2 + 3 - f$

5. Elton charges a standard price for every lawn mowed in his neighborhood. He charges a different rate for raking all the leaves off a yard. In one year, Elton mowed 109 lawns and raked 42 yards. Write an algebraic expression that represents how much money he made that year.

- A. ☐  $(109 + m) + (42 + r)$
- B. ☐  $151 \cdot m \cdot r$
- C. ☐  $151 + m + r$
- D. ☐  $109m + 42r$