Simplifying Expressions

1. Combine the like terms for the expression 14p-5p

    a. 19p
    b. 9p
    c. -9p
    d. 11p

Correct feedback: Yes, the answer is 9p

Incorrect feedback: Sorry, the answer is 9p. Please review the simplifying expressions PowerPoint.

2. Combine the like terms for the expression: 3(4y+5) +8

    a. 17y +23
    b. 7y + 13
    c. 12y + 40
    d. 12y + 23

Correct feedback: Yes, the answer is 12y + 23.

Incorrect feedback: Sorry, the answer is 12y + 23. Please review the simplifying expressions PowerPoint.

3. Combine the like terms for the expression: $x^3 + y + 3x^3 + 7y$

    a. $4x^3 + 8y$
    b. $3x^3 + 7y$
    c. $4x^3 + 7y$
    d. $3x^3 + 8y$

Correct feedback: Yes, the answer is $4x^3 + 8y$

Incorrect feedback: Sorry, the answer is $4x^3 + 8y$. Please review the simplifying expressions PowerPoint.

4. When the expression 3(2x+7) +10x is simplified, what is the coefficient for x?

    a. 6
    b. 16
    c. 21
    d. 12

Correct feedback: Yes, the answer is 16

Incorrect feedback: Sorry, the answer is 16. Please review the simplifying expressions
PowerPoint.

5. How many terms are in the following expression: 6y+4r-3x+y

    a.   4
    b.   3
    c.   7
    d.   6

Correct feedback: Yes, the answer is 4

Incorrect feedback: Sorry, the answer 4. Please review the simplifying expressions PowerPoint.

6. How many like terms are in the following expression: 6y+4r-3x+y-3y-2h+10

    a.   8
    b.   5
    c.   7
    d.   3

Correct feedback: That's right, the answer is 5

Incorrect feedback: Sorry, the answer is 5. Please review the simplifying expressions
PowerPoint.

7. Write an expression for the following word problem: Bethany has quarters (q) and
    pennies (p). Her sister has 3 times as many quarters as Bethany and 5 times as many
    pennies.

    a. $q - p - 3q - 5p$
    b. $q + p + 5q + 3p$
    c. $q - p + 5q + 3p$
    d. $q + p + 3q + 5p$

Correct feedback: The answer is $q + p + 3q + 5p$

Incorrect feedback. The answer is $q + p + 3q + 5p$. Please review the simplifying expressions
PowerPoint.

8. 3^5 is the equivalent of which expression?

    a. $3 \times 3 \times 3 \times 3 \times 3$
    b. $3 \times 3 \times 3$
    c. $5 \times 5 \times 5$
    d. 15

Correct feedback, Great! The answer is $3 \times 3 \times 3 \times 3 \times 3$

Incorrect feedback: Sorry, the answer is $3 \times 3 \times 3 \times 3 \times 3$. Please review the simplifying expressions PowerPoint.

9. In the expression $x - 6$, the coefficient for x is?

    a. 0
    b. There is no coefficient
    c. 1
    d. -6

Correct feedback: That's correct, the answer is 1

Incorrect feedback. Sorry, the answer is 1. Please review the simplifying expressions PowerPoint.

10. How many factors does the expression 2(x+4)
    a. 3
    b. 2
    c. 1
    d. 5

Correct feedback: That's right, the answer is 2

Incorrect feedback: Sorry, the answer is2. Please review the simplifying expressions PowerPoint.