SUPER 12s

2 ALGEBRA
2.3 COLLECT LIKE TERMS
2.3 LEVEL 2

NAME:_____

Skill description: Collecting like terms through addition and subtraction.

Essential Revision: Identify the like terms.

1. $7p, \quad 2p, \quad 7x, \quad 5g$	**2.** $3a^2, \quad 2a, \quad 7a^3, \quad 5a^3$
3. $4a^2, \quad 2x^4, \quad 7a^2, \quad x^3$	**4.** $3c, \quad 9y, \quad y, \quad b$
5. $3z^4, \quad 8c, \quad 3z^5, \quad 2c$	**6.** $3a^2, \quad 2a^2, \quad 3a^5, \quad 5a^3$
7. $-5b, \quad 9c, \quad 7y, \quad 2b$	**8.** $4a^3, \quad x^3, \quad 5c^3, \quad 2x^3$
9. $4z^4, \quad 5c^5, \quad 2z^5, \quad -2c^5$	**10.** $3yz^2, \quad yz^4, \quad yz^2, \quad 2yz$
11. $2xy^2, \quad 2x^2y, \quad 2x^2y^2, \quad 2xy^2$	**12.** $2ab, \quad -ab^2, \quad xb^2, \quad 5ab^2$

Solutions can be found at the end of the booklet.

score $\frac{}{12}$

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We understand from Level 1 how to identify like terms. Like terms can be added and subtracted.

When adding like terms: Add the numbers and keep the variable(s) the same.

When subtracting like terms: Subtract the numbers and keep the variable(s) the same.

Example 1
$$3x + 5x = 8x$$

Example 2
$$9p - 4p = 5p$$

Example 3
$$3y + 2y - y = 4y$$

Example 4
$$3xy^2 + 4xy^2 = 7xy^2$$

Example 5
$$5a^2b - 2a^2b + 6a^2b = 9a^2b$$

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1.
$$7x + 2x$$

2.
$$5y - 4y$$

3.
$$3x + 5x - x$$

4.
$$8xy^2 + 2xy^2$$

5.
$$9a^2b - 2a^2b + a^2b$$

6.
$$3v - 5v$$

7.
$$-g - 4g$$

8.
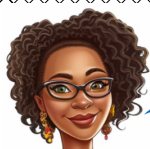$$3x + x - 4x$$

9.
$$13x^2y^2 + 4x^2y^2$$

10.
$$2a^2bc - a^2bc + 6a^2bc$$

11.
$$3xy + 2xy - xy$$

12.
$$-3x - x - 4x$$

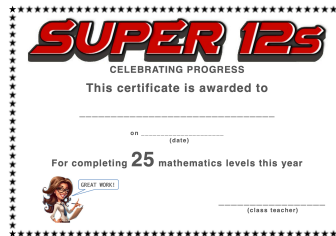SOLUTIONS CAN BE FOUND AT
THE END OF THE BOOKLET.

score $\dfrac{}{12}$

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MASTERY TEST

I'VE COMPLETED

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LEVELS THIS YEAR

Solutions to Essential Revision

1. $7p, \quad 2p$	2. $7a^3, \quad 5a^3$
3. $4a^2, \quad 7a^2$	4. $9y, \quad y$
5. $8c, \quad 2c$	6. $3a^2, \quad 2a^2$
7. $-5b, \quad 2b$	8. $x^3, \quad 2x^3$
9. $5c^5, \quad -2c^5$	10. $3yz^2, \quad yz^2$
11. $2xy^2, \quad 2xy^2$	12. $-ab^2, \quad 5ab^2$

Solutions to Questions

1. $9x$	2. y
3. $7x$	4. $10xy^2$
5. $8a^2b$	6. $-2v$
7. $-5g$	8. 0
9. $17x^2y^2$	10. $7a^2bc$
11. $4xy$	12. $-8x$

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