

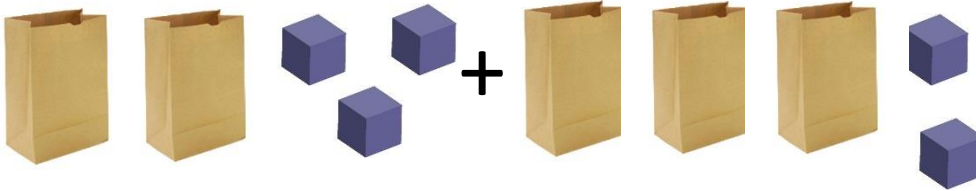
Name _____

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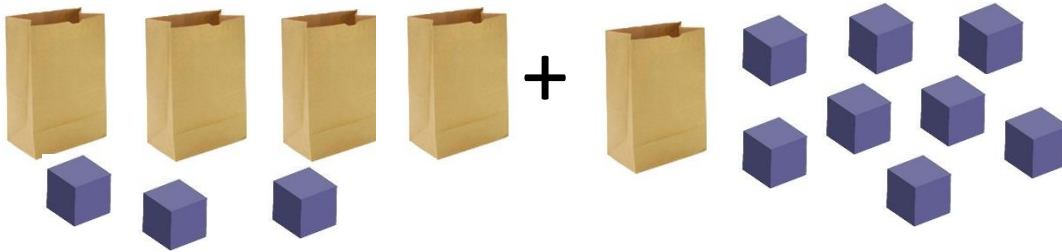
Combining Like Terms with Bags and Blocks

Write a simplified expression to represent each bag/block model.

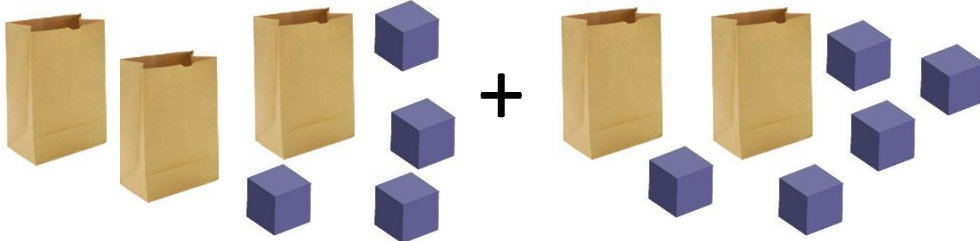
1) Expression: _____ + Expression: _____ = _____



2) Expression: _____ + Expression: _____ = _____



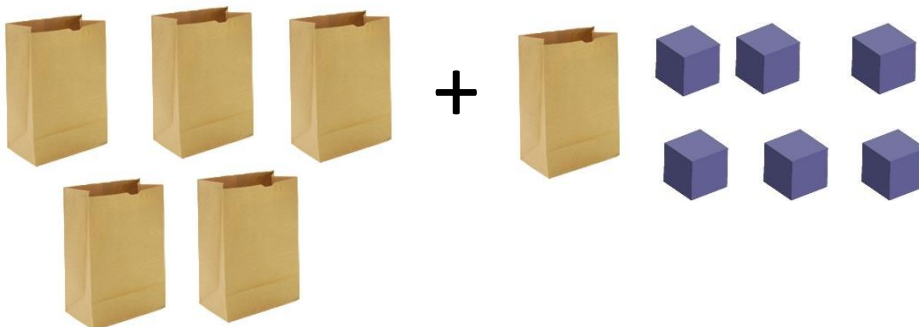
3) Expression: _____ + Expression: _____ = _____



4) Expression: _____ + Expression: _____ = _____



5) Expression: _____ + Expression: _____ = _____



Draw a bag/block model to simplify each expression.

1) $4x + 3 + 2x + 1$

2) $2x + 3 + 7 + 5x$

3) $6 + 3x + 4x + 1$

4) $5x + 8 + 1$

5) $x + 2 + 4x$

6) $4x + 5 + 1 + 6x$

7) $3x + 7 + x + 1$

8) $3 + x + 9$

9) $2x + 4x + x + 3$

10) $x + x + x + 3 + 4 + 3x$

Combine Like Terms.

1) $4a + 5 + 7a + 9$

2) $3y + 7y + 10y$

3) $5 + 7b + 8b + 3 + 1$

4) $3m + m + m + 5m + 2$

5) $9 + 10 + 6g + 9g$

6) $4n + 8 + 3n + 1 + n$

7) $2b + 8 + 8b$

8) $h + h + h + 4 + 6$

9) $5d + 1 + 2d + 12$

10) $3x + 8 + 7x + 13 + 4 + 7x$