



Inspired Instruction, LLC.
Standards Solution Holding

www.inspiredinstruction.com

196 Belvidere Avenue
Washington, NJ 08722
Phone: 908-223-7570
Fax: 908-223-7570

Michele.Regan@inspiredinstruction.com

Jaclyn.Siano@inspiredinstruction.com

Rewriting Linear Expressions

1

$$4a + 4$$

2

$$6a + 4$$

3

$$16a + 8$$

4

$$8a + 4b + 8$$

Rewriting Linear Expressions

Connection to Assessment

Answer Only

Select all that are equivalent to $16a + 4b + 8$.

- ☐ $4(4a + b + 2)$
- ☐ $2a + 2 + 4a + 2b + 6 + 4a + 6a + 2b$
- ☐ $4a + 2 + 4a + 4 + 4a + 4b + 4a$
- ☐ $2(8a + 2b + 8)$
- ☐ $8(2a + \frac{1}{2}b + 1)$

Reasoning

Frankie thinks the two expressions $2(3a + 2) + 4a$ and $10a + 2$ are equivalent? Is she correct? Explain why or why not?

Modeling

Draw a rectangle with an area of $8x + 4$. Draw a square with a perimeter of $8x + 4$. Label all parts of your drawings and explain your answer.