

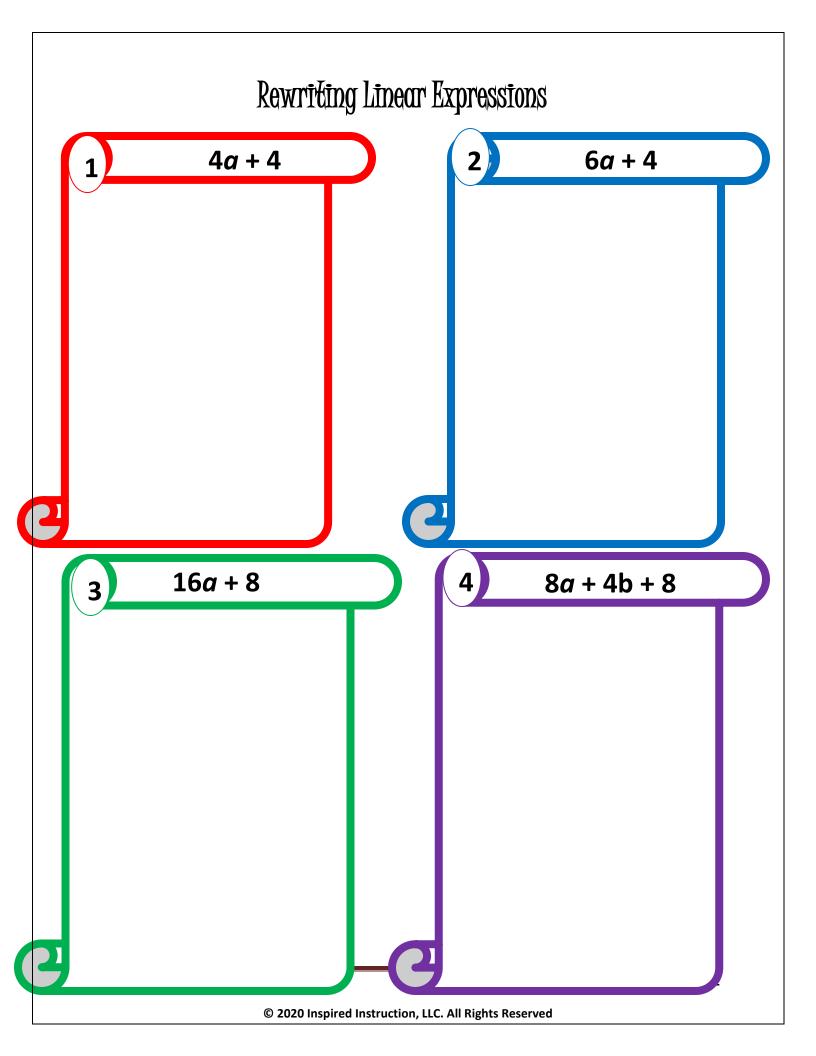
# Inspired Instruction, LLC. Standards Solution Holding

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## Rewriting Linear Expressions

### **Connection to Assessment**

#### **Answer Only**

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

4(4a + b + 2)

 $\Box$  2a + 2 + 4a + 2b + 6 + 4a + 6a + 2b

4a + 2 + 4a + 4 + 4a + 4b + 4a

2(8a + 2b + 8)

 $\Box$  8(2a + ½b + 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.