



Visual Guided Practice

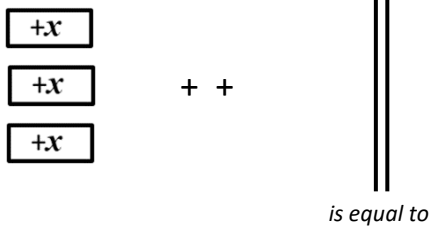
Name: _____

Learning Target: I will evaluate algebraic expressions.

Form A

1. We Do Together

Draw each x as 4 plus signs to evaluate $3x + 2$ when $x = 4$.



Show your thinking using numbers and symbols

$$3x + 2 \text{ when } x = 4$$

$$3(\underline{\quad}) + 2$$

$$\underline{\quad} + 2$$

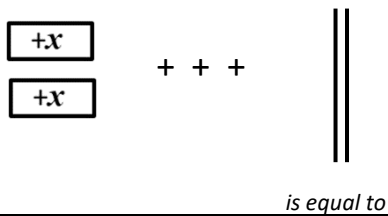
Tell the value of the 3 x 's

$$x + x + x = 3x = 3(\underline{\quad}) = \underline{\quad}$$

2. Reflect: What questions do you have about evaluating algebraic expressions?

3. You Do Together

Draw each x as 5 plus signs to evaluate $2x + 4$ when $x = 5$.



Show your thinking using numbers and symbols

$$2x + 3 \text{ when } x = 5$$

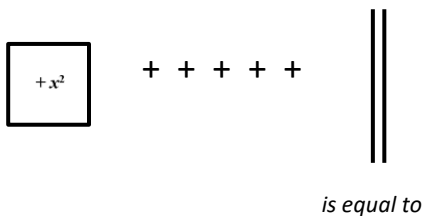
$$2(\underline{\quad}) + 3$$

$$\underline{\quad} + 3$$

Tell the value of the 2 x 's

$$x + x = 2x = 2(\underline{\quad}) = \underline{\quad}$$

Draw the x^2 as a 3 by 3 array of plus signs to evaluate $x^2 + 5$ when $x = 3$.



Show your thinking using numbers and symbols

$$x^2 + 5 \text{ when } x = 3$$

$$(\underline{\quad})^2 + 5$$

$$\underline{\quad} \cdot \underline{\quad} + 5$$

$$\underline{\quad} + 5$$

Tell the value of x^2

$$x^2 = x \cdot x = \underline{\quad} \cdot \underline{\quad} = \underline{\quad}$$



Visual Guided Practice

Name: _____

Learning Target: I will evaluate algebraic expressions.

Form B

1. We Do Together

<p>Draw each x as 3 plus signs to evaluate $5x + 4$ when $x = 3$.</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="display: flex; flex-direction: column; gap: 5px;"> <div style="border: 1px solid black; padding: 2px 5px;">$+x$</div> <div style="border: 1px solid black; padding: 2px 5px;">$+x$</div> <div style="border: 1px solid black; padding: 2px 5px;">$+x$</div> <div style="border: 1px solid black; padding: 2px 5px;">$+x$</div> <div style="border: 1px solid black; padding: 2px 5px;">$+x$</div> </div> <div style="margin: 0 10px;">+ + + +</div> <div style="display: flex; flex-direction: column; align-items: center; gap: 10px;"> <div style="border-left: 1px solid black; border-right: 1px solid black; height: 20px;"></div> <div style="border-left: 1px solid black; border-right: 1px solid black; height: 20px;"></div> </div> <p style="margin-left: 150px;"><i>is equal to</i></p> </div>	<p>Show your thinking using numbers and symbols</p> <p style="text-align: center;">$5x + 4$ when $x = 3$</p> <p style="text-align: center;">$5(\underline{\quad}) + 4$</p> <p style="text-align: center;">$\underline{\quad} + 4$</p> <p style="text-align: center;">$\underline{\quad}$</p>
<p>Tell the value of the 5 x's</p> <p style="text-align: center;">$x + x + x + x + x = 5x = 5(\underline{\quad}) = \underline{\quad}$</p>	

2. Reflect: What questions do you have about evaluating algebraic expressions?

3. You Do Together

<p>Draw each x as 2 plus signs to evaluate $3x + 5$ when $x = 2$.</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="display: flex; flex-direction: column; gap: 5px;"> <div style="border: 1px solid black; padding: 2px 5px;">$+x$</div> <div style="border: 1px solid black; padding: 2px 5px;">$+x$</div> <div style="border: 1px solid black; padding: 2px 5px;">$+x$</div> </div> <div style="margin: 0 10px;">+ + + + +</div> <div style="display: flex; flex-direction: column; align-items: center; gap: 10px;"> <div style="border-left: 1px solid black; border-right: 1px solid black; height: 20px;"></div> <div style="border-left: 1px solid black; border-right: 1px solid black; height: 20px;"></div> </div> <p style="margin-left: 150px;"><i>is equal to</i></p> </div>	<p>Show your thinking using numbers and symbols</p> <p style="text-align: center;">$3x + 5$ when $x = 2$</p> <p style="text-align: center;">$3(\underline{\quad}) + 2$</p> <p style="text-align: center;">$\underline{\quad} + 2$</p> <p style="text-align: center;">$\underline{\quad}$</p>
<p>Tell the value of the 3 x's</p> <p style="text-align: center;">$x + x + x = 3x = 3(\underline{\quad}) = \underline{\quad}$</p>	
<p>Draw the x^2 as a 4 by 4 array of plus signs to evaluate $x^2 + 3$ when $x = 4$.</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; padding: 5px; margin-right: 10px;">$+x^2$</div> <div style="margin-right: 10px;">+ + +</div> <div style="display: flex; flex-direction: column; align-items: center; gap: 10px;"> <div style="border-left: 1px solid black; border-right: 1px solid black; height: 20px;"></div> <div style="border-left: 1px solid black; border-right: 1px solid black; height: 20px;"></div> </div> <p style="margin-left: 150px;"><i>is equal to</i></p> </div>	<p>Show your thinking using numbers and symbols</p> <p style="text-align: center;">$x^2 + 3$ when $x = 4$</p> <p style="text-align: center;">$(\underline{\quad})^2 + 3$</p> <p style="text-align: center;">$\underline{\quad} \cdot \underline{\quad} + 3$</p> <p style="text-align: center;">$\underline{\quad} + 3$</p> <p style="text-align: center;">$\underline{\quad}$</p>
<p>Tell the value of x^2</p> <p style="text-align: center;">$x^2 = x \cdot x = \underline{\quad} \cdot \underline{\quad} = \underline{\quad}$</p>	

Learning Target: I will evaluate algebraic expressions.

Form C

1. We Do Together

<p>Draw each x as 5 plus signs to evaluate $4x + 3$ when $x = 5$.</p> <div style="display: flex; align-items: center; justify-content: center; gap: 20px;"> <div style="display: flex; flex-direction: column; gap: 5px;"> <div style="border: 1px solid black; padding: 2px 5px;">+x</div> <div style="border: 1px solid black; padding: 2px 5px;">+x</div> <div style="border: 1px solid black; padding: 2px 5px;">+x</div> <div style="border: 1px solid black; padding: 2px 5px;">+x</div> </div> <div style="text-align: center;">+ + +</div> <div style="display: flex; flex-direction: column; align-items: center; gap: 10px;"> <div style="border-left: 1px solid black; border-right: 1px solid black; height: 40px; width: 10px;"></div> <div style="text-align: center;"> </div> </div> </div> <p style="text-align: center; margin-top: 5px;"><i>is equal to</i></p>	<p>Show your thinking using numbers and symbols</p> <p style="margin-left: 20px;">$4x + 3$ when $x = 5$</p> <p style="margin-left: 20px;">$4(\underline{\quad}) + 3$</p> <p style="margin-left: 20px;">$\underline{\quad} + 3$</p> <p style="margin-left: 20px;">$\underline{\quad}$</p>
<p>Tell the value of the 4 x's</p> <p style="text-align: center; margin-top: 20px;">$x + x + x + x = 4x = 4(\underline{\quad}) = \underline{\quad}$</p>	

2. Reflect: What questions do you have about evaluating algebraic expressions?

3. You Do Together

<p>Draw each x as 3 plus signs to evaluate $5x + 2$ when $x = 3$.</p> <div style="display: flex; align-items: center; justify-content: center; gap: 20px;"> <div style="display: flex; flex-direction: column; gap: 5px;"> <div style="border: 1px solid black; padding: 2px 5px;">+x</div> <div style="border: 1px solid black; padding: 2px 5px;">+x</div> <div style="border: 1px solid black; padding: 2px 5px;">+x</div> <div style="border: 1px solid black; padding: 2px 5px;">+x</div> <div style="border: 1px solid black; padding: 2px 5px;">+x</div> </div> <div style="text-align: center;">+ +</div> <div style="display: flex; flex-direction: column; align-items: center; gap: 10px;"> <div style="border-left: 1px solid black; border-right: 1px solid black; height: 40px; width: 10px;"></div> <div style="text-align: center;"> </div> </div> </div> <p style="text-align: center; margin-top: 5px;"><i>is equal to</i></p>	<p>Show your thinking using numbers and symbols</p> <p style="margin-left: 20px;">$5x + 2$ when $x = 3$</p> <p style="margin-left: 20px;">$5(\underline{\quad}) + 2$</p> <p style="margin-left: 20px;">$\underline{\quad} + 2$</p> <p style="margin-left: 20px;">$\underline{\quad}$</p>
<p>Tell the value of the 5 x's</p> <p style="text-align: center; margin-top: 20px;">$x + x + x + x + x = 5x = 5(\underline{\quad}) = \underline{\quad}$</p>	
<p>Draw the x^2 as a 3 by 3 array of plus signs to evaluate $x^2 + 5$ when $x = 5$.</p> <div style="display: flex; align-items: center; justify-content: center; gap: 20px;"> <div style="border: 1px solid black; padding: 5px; display: flex; align-items: center; justify-content: center; width: 30px; height: 30px;"> +x² </div> <div style="text-align: center;">+</div> <div style="display: flex; flex-direction: column; align-items: center; gap: 10px;"> <div style="border-left: 1px solid black; border-right: 1px solid black; height: 40px; width: 10px;"></div> <div style="text-align: center;"> </div> </div> </div> <p style="text-align: center; margin-top: 5px;"><i>is equal to</i></p>	<p>Show your thinking using numbers and symbols</p> <p style="margin-left: 20px;">$x^2 + 1$ when $x = 5$</p> <p style="margin-left: 20px;">$(\underline{\quad})^2 + 1$</p> <p style="margin-left: 20px;">$\underline{\quad} \cdot \underline{\quad} + 1$</p> <p style="margin-left: 20px;">$\underline{\quad} + 1$</p> <p style="margin-left: 20px;">$\underline{\quad}$</p>
<p>Tell the value of x^2</p> <p style="text-align: center; margin-top: 20px;">$x^2 = x \cdot x = \underline{\quad} \cdot \underline{\quad} = \underline{\quad}$</p>	