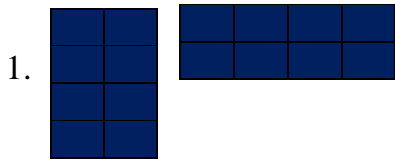
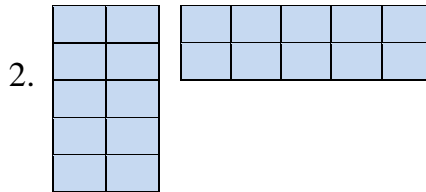


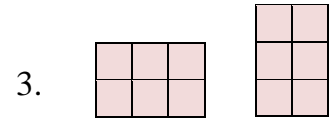
3.OA.A.1 Commutativity of Multiplication

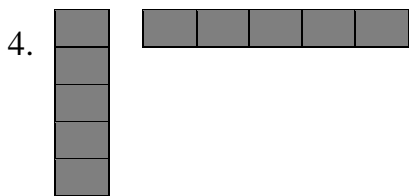
3.OA.A.1: Interpret products of whole numbers, e.g., interpret 5×7 as the total number of objects in 5 groups of 7 objects each.

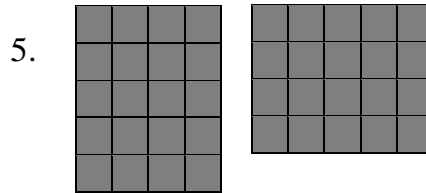
Write multiplication sentences for each array.



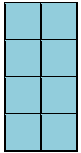
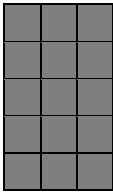
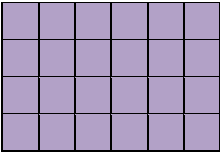








Draw the array that shows the commutative property. Write multiplication sentences for each array.

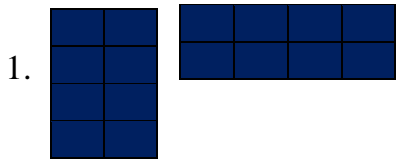
	<p>Drawing</p>	<p>Multiplication Sentences</p>
	<p>Drawing</p>	<p>Multiplication Sentences</p>
	<p>Drawing</p>	<p>Multiplication Sentences</p>

3.OA.A.1 Commutativity of Multiplication

Answer Key

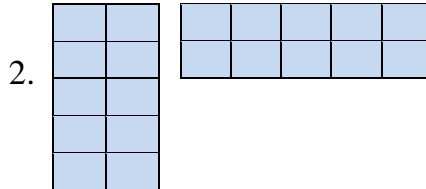
3.OA.A.1: Interpret products of whole numbers, e.g., interpret 5×7 as the total number of objects in 5 groups of 7 objects each.

Write multiplication sentences for each array.



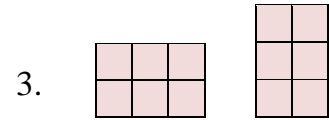
$4 \times 2 = 8$

$2 \times 4 = 8$



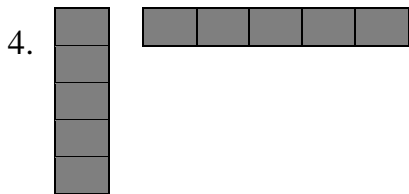
$5 \times 2 = 10$

$2 \times 5 = 10$



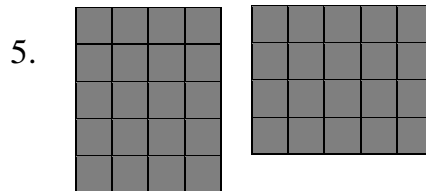
$2 \times 3 = 6$

$3 \times 2 = 6$



$5 \times 1 = 5$

$1 \times 5 = 5$



$5 \times 4 = 20$

$4 \times 5 = 20$

Draw the array that shows the commutative property. Write multiplication sentences for each array.

	<p>Drawing</p>	<p>Multiplication Sentences</p> <p>$4 \times 2 = 8$</p> <p>$2 \times 4 = 8$</p>
	<p>Drawing</p>	<p>Multiplication Sentences</p> <p>$5 \times 3 = 15$</p> <p>$3 \times 5 = 15$</p>
	<p>Drawing</p>	<p>Multiplication Sentences</p> <p>$4 \times 6 = 24$</p> <p>$6 \times 4 = 24$</p>