

Lesson	Required Materials	Required Preparation	Math Language Routines (MLRs)	Warm-up or Instructional Routines	Blackline Masters
3.1.A.1			MLR8 Discussion Supports	Notice and Wonder	
3.1.A.2	Sticky notes	Activity 1: Create a visual display with a blank bar graph that will be large enough to fit a column of sticky notes in each category.	MLR8 Discussion Supports	How Many Do You See?	
3.1.A.3			MLR8 Discussion Supports	Number Talk	
3.1.A.4			MLR8 Discussion Supports	How Many Do You See?	
3.1.A.5	Materials from a previous lesson	Activity 2: Each student needs the picture graph they created in the previous lesson.	MLR7 Compare and Connect	Number Talk	
3.1.A.6			MLR8 Discussion Supports	Notice and Wonder	
3.1.A.7	Materials from a previous lesson	Activity 1: Students will need their Favorite Time of the Year graphs from the previous lesson.	MLR8 Discussion Supports	How Many Do You See?	
3.1.A.8			<ul style="list-style-type: none"> MLR8 Discussion Supports MLR6 Three Reads 	Number Talk	
3.1.B.9	Connecting cubes or counters	<ul style="list-style-type: none"> Activity 1: Each student needs 20 connecting cubes or counters. Activity 2: Each student needs 20 connecting cubes or counters. 	MLR8 Discussion Supports	Number Talk	
3.1.B.10		<ul style="list-style-type: none"> Activity 2: Create a set of cards from the blackline master for each group of 2. 	MLR8 Discussion Supports	<ul style="list-style-type: none"> Notice and Wonder Card Sort 	Card Sort Equal Groups (groups of 2)

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3.1.B.11	Materials from a previous lesson	Activity 1: <ul style="list-style-type: none"> Each group of 2 needs 1 card from the card sort in the previous lesson. Post these expressions around the room: <ul style="list-style-type: none"> 3×5 4×3 3×2 2×10 3×10 	MLR2 Collect and Display	Choral Count	
3.1.B.12			<ul style="list-style-type: none"> MLR8 Discussion Supports MLR5 Co-craft Questions 	<ul style="list-style-type: none"> How Many Do You See? 	
3.1.B.13			MLR7 Compare and Connect	Which One Doesn't Belong?	
3.1.B.14		Activity 1: Create a set of cards from the blackline master for each group of 2.	MLR8 Discussion Supports	<ul style="list-style-type: none"> Number Talk Card Sort 	Card Sort Unknown Numbers (groups of 2)
3.1.B.15			MLR8 Discussion Supports	Number Talk	
3.1.C.16	Connecting cubes	Activity 2: Each group of 2 needs 60 cubes.	MLR8 Discussion Supports	Notice and Wonder	
3.1.C.17	Connecting cubes or counters	Activity 1: Create a set of cards from the blackline master for each group of 2 or 4 students.	<ul style="list-style-type: none"> MLR8 Discussion Supports MLR1 Stronger and Clearer Each Time 	<ul style="list-style-type: none"> Which One Doesn't Belong? Card Sort 	Card Sort Arrays (groups of 2)
3.1.C.18	Connecting cubes or counters	Activity 1: Each group of 2 will need 20 connecting cubes or counters.	MLR2 Collect and Display	How Many Do You See?	

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3.1.C.19			<ul style="list-style-type: none"> MLR8 Discussion Supports MLR5 Co-craft Questions 	Number Talk	
3.1.C.20			<ul style="list-style-type: none"> MLR8 Discussion Supports MLR1 Stronger and Clearer Each Time 	Number Talk	
3.1.C.21	<ul style="list-style-type: none"> Connecting cubes or counters Inch tiles Tools for creating a visual display 	Activity 2: Each student needs a sheet of grid paper.	MLR8 Discussion Supports	Notice and Wonder	Centimeter Grid Paper - Standard (groups of 2)

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