## Mathematics-Functions Assessment Chart using Ohio's New Learning Standards –Extended Standards and Learning Progressions (Task Analyses)

qualitatively the functional relationship between two quantities by analyzing a graph (e.g., where the function is increasing or decreasing,whether functionswhether functionssimple questionsdirections. Understandswith a smile. Shows understanding wisher the line is using gestures and/or vocalizations Or ChoosesUnderstands (Give me".with a smile. Shows understanding words. Wisually soun follows movement of objects.	Grade Level Standard		Extended Standard			Learning Progressions				
8.F 8.6 Describe qualitatively the functional relationship between two quantities by analyzing a graph (e.g., where the function is increasing or decreasing, function.  F.68.1a Determine Classify graphs of functions whether graphs of functions the line is questions questions questions questions questions Understands directions. Understands with a smile. Shows object understanding Turn questions question			Most Least			(Task An	alyses)			
Describe qualitatively the functional relationship between two quantities by analyzing a graph (e.g., where the function is increasing or decreasing, where the functions increasing, or decreasing, function.  Determine decreasing Determine whether graphs of functions whether simple directions. With a smile. Shows object simple directions. Understands with a smile. Shows object simple directions. Understands graph (e.g., where the function is increasing or decreasing, function.  Determine whether graphs of functions whether simple directions. Understands graph (e.g., whether simple directions graph (going or down) or chooses follows follows follows follows follows between 2 directions objects.			Complex Complex							
linear or non linear). Sketch a graph that exhibits the qualitative features of a function that has been described verbally.  linear or non litems using eye gaze, voice output device or reaching for correct item.  litems using eye gaze, voice output device or reaching for correct item.  litems using eye gaze, voice output or other switch to participate (errorless choice).	Describe qualitatively the functional relationship between two quantities by analyzing a graph (e.g., where the function is increasing or decreasing, linear or non linear). Sketch a graph that exhibits the qualitative features of a function that has been described	Determine whether an ordered pair is viable solution to a given linear	Classify graphs functio as linea or non-	Con y of ons ar	mplex F.68.1c Determine whether the line is increasing (going up), decreasing (going down) or	LP1 Answers simple questions using gestures and/or vocalizations Or Chooses between 2 items using eye gaze, voice output device or reaching for	Foll dire Und "Giv Res whe or Foll dire by activoic or o swit part (err	ows ections. lerstands re me". ponds to ere stions ows ections vating te output other tch to ticipate corless	LP3 Responds with a smile. Shows understanding of some words. Visually follows movement of objects. Incorrect response	Looks at named object. Turns head to

Grade Level Standard		Extended Standard			Learning Progressions				
		Most Least			(Task Analyses)				
<u> </u>		Complex Complex					·		
8.F 8.6 Describe	F.68.2a	F.68.21		F.68.2c	LP1	LP2		LP3	LP4
qualitatively the functional relationship between two quantities by analyzing a graph ((e.g. where the function is increasing or decreasing, linear or non- linear). of the graph	whether a further function is	Match a function to its graph.	on		Answers simple questions using gestures and/or vocalizations	Follows directions. Understands "Give me". Responds to where questions		Responds with a smile. Shows understanding of some words. Visually	Looks at named object. Turns head to find sound.
					Or Chooses between 2 items using eye gaze, voice output device or reaching for correct item.	dire by activ voic or o swit part (err	ows ections vating ce output other tch to ticipate corless ice).	follows movement of objects. Incorrect response (participated).	

Grade Level Standard			Extended Standard				Learning Progressions		
			Most Least				(Task Analyses)		
				Complex Complex					
8.F 8.4 Construct a function to model a linear relationship between two quantities. Determine the rate of change and initial value of the function from a description of a relationship or from two (x, y) values, including reading these from a table or from a graph. Interpret the rate of change and initial value of a linear function in terms of the situation if models, and in terms of its graph or table of values.	F.68.3a Graph a linear function.	F.68.3b Determ the x an y intercep points f a linear graph.	ine id pt	F.68.3c Identify two points on a linear graph.	LP1 Answers simple questions using gestures and/or vocalizations Or Chooses between 2 items using eye gaze, voice output device or reaching for correct item.	direction direct	lows ections. derstands ve me". ponds to	LP3 Responds with a smile. Shows understanding of some words. Visually follows movement of objects. Incorrect response (participated).	LP4 Looks at named object. Turns head to find sound.