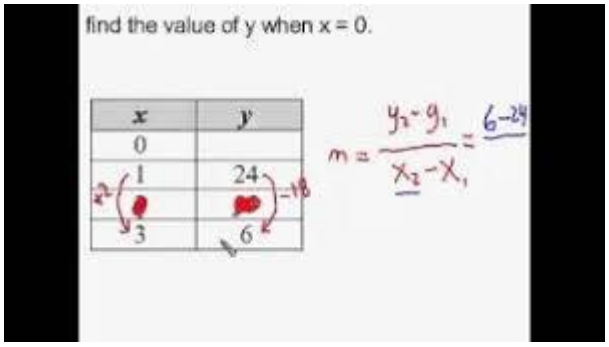
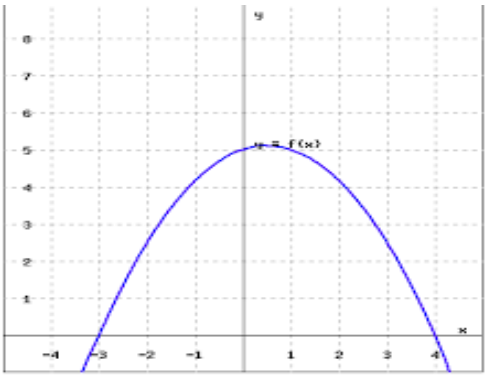
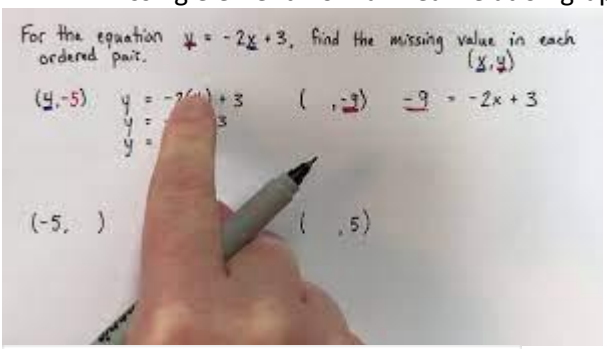
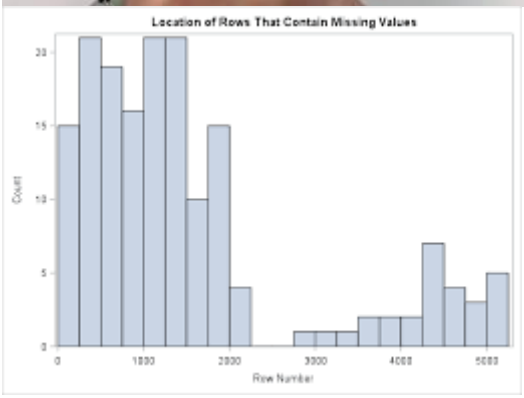
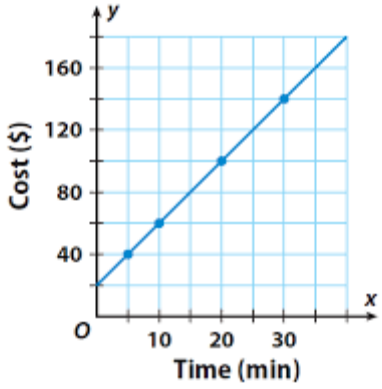
Strand:	Algebra	**Sub-Strand:**	Patterns and Relations

BASIC 8

WEEKLY LESSON PLAN – WEEK 8

Content Standard:	B8.2.1.1 Demonstrate the ability to draw table of values for a linear relation, graph the relation in a number plane, determine the gradient of the line and use it to write equation of a line of the form y = mx + c.				
Indicator (s)	B8.2.1.1.3 2 Use graph of a linear relation to determine subsequent missing elements in the ordered pairs of the relation B8.2.1.1.4 3 Use graphs of linear relations to solve real life problem.		**Performance Indicator:** Learners can use the information in a graph to find missing elements.		
Week Ending	**24-11-2023**				
Class	B.S.8	**Class Size:**		**Duration:**	
Subject	Mathematics				
Reference	Mathematics Curriculum, Teachers Resource Pack, Learners Resource Pack, Textbook.				
Teaching / Learning Resources	Graph book, Poster, Pictures, Video.		**Core Competencies:**	Can effectively evaluate the success of solutions they have used to attempt to solve a complex problem	

DAY/DATE	**PHASE 1 : STARTER**	**PHASE 2: MAIN**	**PHASE 3: REFLECTION**
MONDAY	Learners brainstorm to draw graphs of linear relations.	1. Demonstrate how to find missing elements using the information from a graph. 2. Assist Learners to use information from a graph of linear relation to find missing elements. 3. Learners in small groups to discuss and solve more questions on using information from a graph to find missing elements.  	Summarize the lesson.

WEDNESDAY	Using a word chart, discuss with Learners examples of word problems about finding missing elements from a graph .	1. Assist Learners to find missing elements from a graph in a real-life problem. 2. Learners brainstorm to complete tables of missing element from a linear relation graph.  	Through questions and answers, conclude the lesson.
FRIDAY	Review Learners knowledge on the previous lesson.	1. Demonstrate how to use graphs of linear relations to solve real life problems. 2. Assist Learners to draw graphs for real life problems. 3. Learners brainstorm to copy and complete the table of relation about real life problems. **Eg.** Nhyira paints portraits of people for a living. The graph below shows how much she charges based on how long it takes her to paint the portrait. Use the graph to answer the questions that follow; I . How much does she charge for a portrait that takes 3 hours to paint? ii. Is she charges GH¢175, how many hours did she use to paint the portrait? iii. How many hours will she require to paint a portrait that cost Gh¢300 	Reflect of drawing graph for real life problems. **Exercise;** Every morning, you go for a walk. The distance you walk can be modeled modelled by the equation aa = 1/3h,where d is the distance walked in kilometers and h is the number of hours you've walked. Make a table for the relation and draw a graph with the values

			to see how far you've walked after 6hours

Name of Teacher: **School:** **District:**