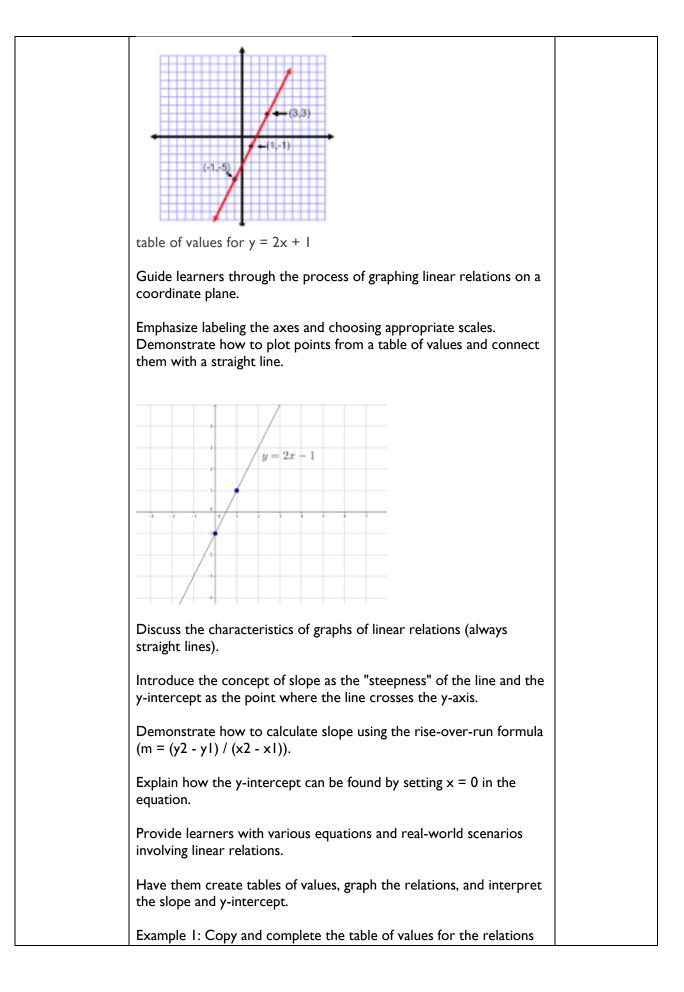
SECOND TERM WEEKLY LESSON NOTES WEEK 3

| Week Ending: 26 | DAY: | | Subject: Mathematics | | | | | |
|---|---|--|--|--|---|--|--|--|
| Duration: 60MINS | | | | Strand: Algebra | | | | |
| Class: B9 Class Size: | | | | Sub Strand: Patterns and Relations | ations | | | |
| Content Standard: B9.2.1.1 Demonstrate the ability to construct tables of values for pairs of linear relations, graph the relations in a number plane and determine the intersection of the lines to solve simultaneous linear equations Performance Indicator: Learners can o graph linear relations on a coord | | | two linea relation. | | Lesson: of | | | |
| plane and interpre | Thinking and Problem solving (CP) | C) Chucai | | | | | | |
| References: Math | | | • • | | | | | |
| New words: value | s, relation, line | ear, relations, gr | aph | | | | | |
| Phase/Duration PHASE I: STARTER | represent a c Introduce the Share perform | nips, emphasizing that they nd "graph of a linear relation." oduce the lesson. | sources | | | | | |
| PHASE 2: NEW LEARNING | and calculatinequation or rDemonstratex2x12(-1)12(1)32(3) | g correspondin, rule. with an examp 3 y) -3 -5) -3 -1 | g output v le, such as Order 6 (-1,-5) (1,-1) (3,3) | Palues (y) using the given V y = 2x + 1. Pred pairs V V V V V V V V | Graph paper, Rulers, Real- world examples of linear relationships (e.g., distance vs. time, cost vs. quantity) | | | |



| | $y_1 = -x + 5$ and $y_2 = \frac{1}{2}x - 3$ foe x from 4 to 3 | | | | | | | | | |
|------------|--|------------------------|---------|-----------------|--------|----------|--------|------|---|--|
| | | | | | | | | | - | |
| | X | -3 8 | -2 | -1 | 0 | 4 | 2 | 3 | | |
| | $y_1 = -x + 5$ $y_2 = \frac{1}{2}x - 3$ | 0 | -4 | | | 4 | | -1.5 | | |
| | $y_2 = \frac{1}{2}x - 3$ | | - | | | | | -1.5 | | |
| | | | | | | | | | | |
| | Solution x -3 -2 -1 0 1 2 3 | | | | | | | | | |
| | | 8 | 7 | 6 | 5 | 4 | 3 | 2 | | |
| | $y_1 = -x + 5$ $y_2 = \frac{1}{2}x - 3$ | -4.5 | -4 | -3.5 | - | -2.5 | -2 | -1.5 | | |
| | $y_2 - \frac{1}{2}x - 3$ | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | Assessment | | | | | | | | | |
| | I. Copy and con | plete the | table o | of value | es for | the rela | tions | | | |
| | x-2y=-2 and $x-2y=2$ for x from -2 to 2 | | | | | | | | | |
| | | | | | | | | | | |
| | $\begin{array}{ c c c c c c c c } \hline x & x & -2 & -1 & 0 & 1 \\ \hline x - 2y = -2 & y_1 = -x + 5 & 0 & & 4 \\ \hline x - 2y = 2 & = (x - 2)/2 & & -1 \frac{1}{2} & & \end{array}$ | | | | | | | | | |
| | $x - 2y2$ y_1 | $\frac{-x+3}{(x-2)/2}$ | 0 | .1 | | 4 | - | | | |
| | x - 2y - 2 | (x - 2)/2 | | $-1\frac{1}{2}$ | | | | | | |
| | | | | | | | | | | |
| | 2. Draw graph for two linear relations | | | | | | | | | |
| | | | | | | | | | | |
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| | | | | | | | | | | |
| PHASE 3: | l lse peer discussi | on and effe | octive | ILLASTIC | ning t | o find c | ut fro | m | | |
| REFLECTION | Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson. | | | | | | | | | |
| | | | | | | | | | | |
| | Take feedback from learners and summarize the lesson. | | | | | | | | | |

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| Class: B9 Class Size: | | | Sub | Strand: Patterns and Rela | ations | | |
| Content Standard: B9.2.1.1 Demonstrate the ability to construct tables of values for pairs of linear relations, graph the relations in a number plane and determine the intersection of the lines to solve simultaneous linear equations | | | relatior | I.1.2 Use graphs of two linear ons to determine subsequentLessonag elements in ordered pairs of theI of I | | | |
| Performance Indicator:Core Competencies:Learners can interpret and analyze graphs of linear relationsCommunication and Collto determine missing elements in ordered pairs.Critical Thinking and Pro | | | | | | | |
| References: Math | ematics Curric | ulum Pg. 181 | | | | | |
| New words: | | | | | | | |
| Phase/Duration PHASE I: STARTER | Learners Acti Briefly review relationships, Engage learne Share perforr | Resources | | | | | |
| PHASE 2: NEW LEARNING | Display a grap plotted, but s Challenge lea graph's inform Guide learner predict missir • Emph • Encou plotte • Demo dowr • Show value Provide oppo and missing e Divide learner Distribute a s group. | Graph paper, Rulers | | | | | |
| | Task them wi and justify the | | her to de | eterm | ine the missing values | | |

