YEAR 8 MATHEMATICS WEEK 2 2020 (TERM 2)

Year: 8   **Date: Wednesday 27 May 2020**

STRAND: NUMBERS   **TOPIC: Ratio**

LESSON OUTCOME: At the end of this lesson student(s) should be able to solve simple problems involving ratios.

Instructions: Hi dear Parents/Guardians and students - In this Lesson students are going to solve simple problems involving ratios and do the selected questions for **Exercise 1.8**.

[*Note that all the Quizzes/Test and or Assignment will be based on the selected questions for each exercise. These lessons are designed for **one hour per Lesson**.]*
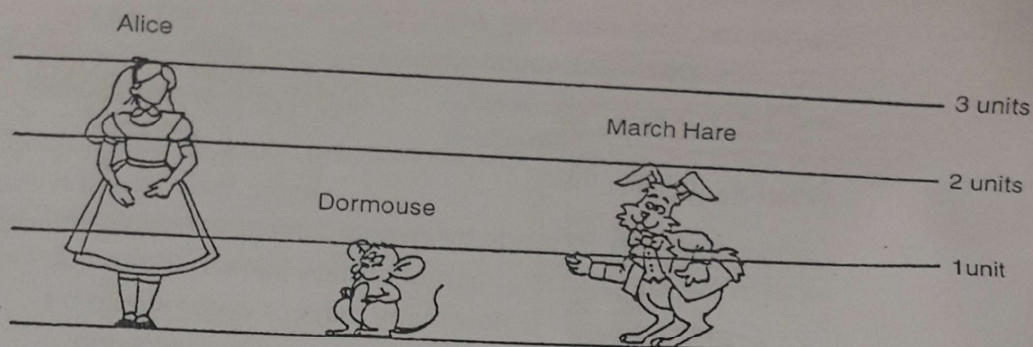
What to do: Do the following selected questions

Exercise 1.8: Q10; Q11; Q12

Solutions: Solutions will be available online via
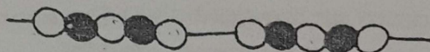
10.

Alice

March Hare

Dormouse

3 units

2 units

1 unit

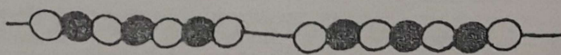Alice's height : Dormouse's height = 3 : 1 means that Alice's height is three times that of dormouse.

Write out in the same way:

(a) price of pen: price of pencil = 10 : 1

(b) length of car: length of model = 50 : 1

(c) weight of baby: weight of sister = 1 : 8

11. Look at this necklace.

(a) What is the ratio of white beads to black beads?

(b) Marie made a necklace like this, using 16 black beads. How many white beads did she need?

(c) Emma made a necklace like this, using 18 white beads. How many black beads did she need?

12. Look at this necklace.

(a) If a necklace like this has 27 black beads, how many white beads does it have?

(b) If a necklace like this has 28 white beads, how many black beads does it have?

13. In a bracelet, the ratio of black beads to white beads is 5 to 2. If there are 10 white beads, how many beads are there altogether?