

Victoria University of Bangladesh

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Course Title: Basic Algebra

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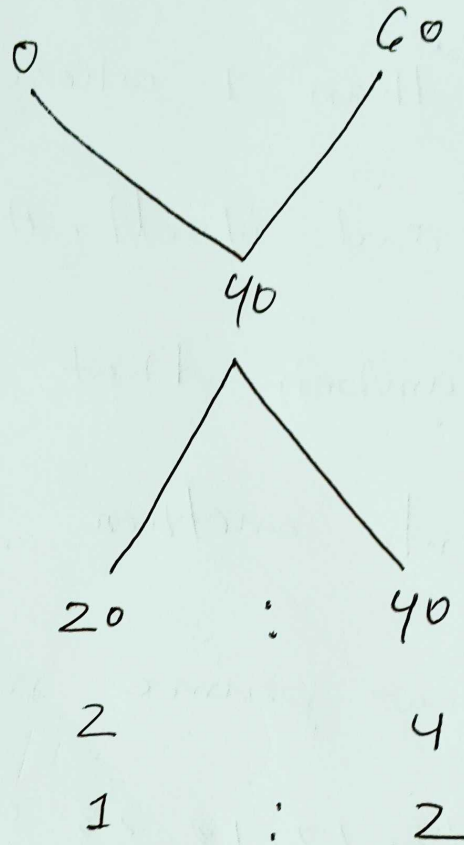
Program: BBA

Submitted to: Taniya Nashin

Ans. to the Q No. 1

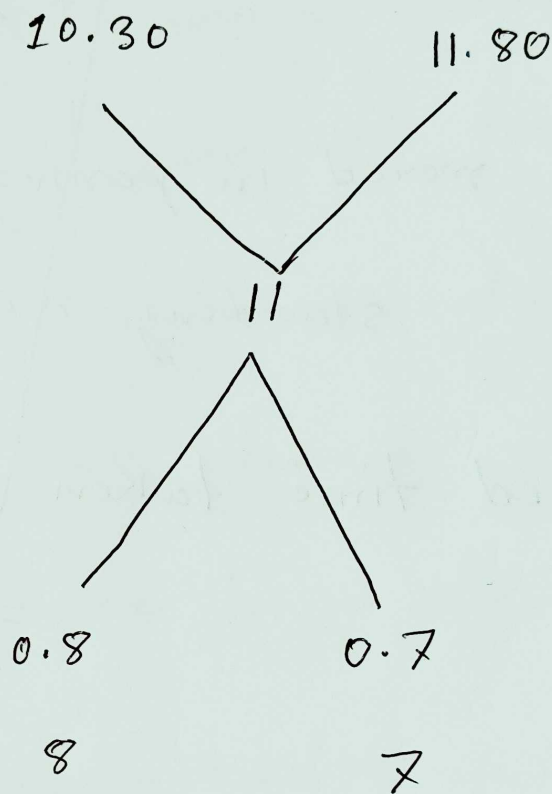
A prime number is a whole number greater than 1 whose only factors are 1 and itself. A factor is a whole number that can be divided evenly into another number. The first few prime numbers are 2, 3, 5, 7, 11, 13, 17, 19, 23 and 29. The number 1 is neither prime nor composite.

Ans. to the Q No - 2



The ratio must mix two varieties
of pulses is $1:2$ Ans.

Ans. to the Q No-3



Ans. The ratio must green gram beans mix two varieties ~~of~~ is

8:7

4

Ans. to the Q. No-4 (or)

Sets are defined as the collection of objects whose elements are fixed and can not be changed.

The set is represented by capital letters. The elements of sets empty

sets, There is no elements.

The mathematical notation for is

an element of is $\in E$. For example

to denote that z is an element

of the set E of positive even

integers, one writes $z \in E$. To indicate

that an element, 3 is not in the set E , write $3 \notin E$.

The items present in a set are called either elements or members of a set. The elements of a set are enclosed in curly bracket separated by commas. ~~It~~ If an element is not a member of a set, then it is denoted using the symbol ' \notin '. Here, $3 \notin A$.

Ans. to the Q. No - 5

Distance covered in passing the

$$\text{platform} = (160 + 160)$$

$$= 320 \text{ m}$$

$$\text{time taken} = 16 \text{ second}$$

$$\text{Speed train} = \frac{320}{16}$$

$$= 20 \text{ m/sec}$$

$$= \frac{4}{20} \times \frac{18}{5}$$

$$= 72 \text{ km/hr.}$$

Ans. The speed of the train

is 72 km/~~hr~~_{hr}