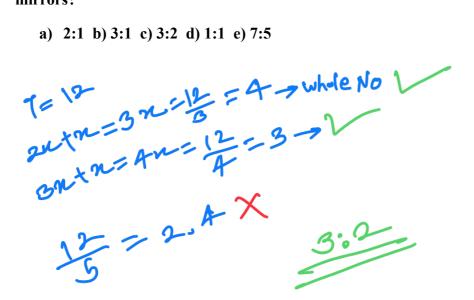
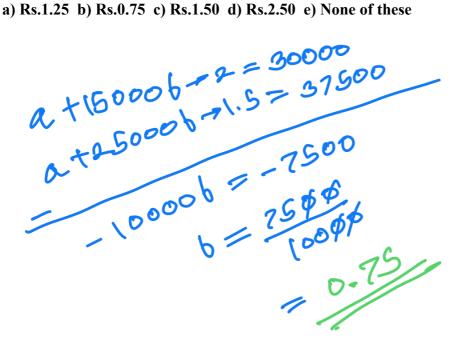
## **Assignment 2**

## Ratio, Proportion

- 1) If a carton containing a dozen mirrors is dropped, which of the following cannot be the ratio of broken mirrors to unbroken mirrors?



- 2) The total cost of producing a certain number of units of an article is partly fixed and partly varies directly with the number of units of that article produced. The average cost of producing 15000 units of that article is Rs.2 while that of producing 25000 units of that article is Rs.1.5. Find the variable cost of each unit of that article produced
- a) Rs.1.25 b) Rs.0.75 c) Rs.1.50 d) Rs.2.50 e) None of these



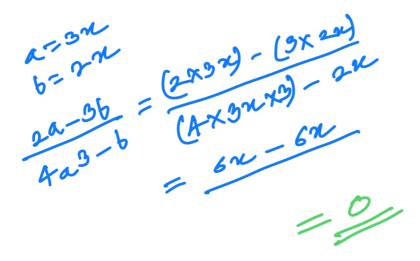
- 3) I) a: b=3:7, Find the value of 5a+b:4a+5b
- a) 15:44 b) 22:35 c) 15:49 d) 22:47 e) Can't be determine

a=gn b=7n Satb=5x3nt 2n satb=4x3nt 2n Antsb=4x3nt 2n Ants

- II) a:b = 3: 2, Find the value of 5a2+b: 5a-b
- a) 13:47 b) 47:13 c) 22:47 d) 15:49 e) Can't be determine

III) a : b = 3: 2, Find the value of 2a-3b: 4a3-b

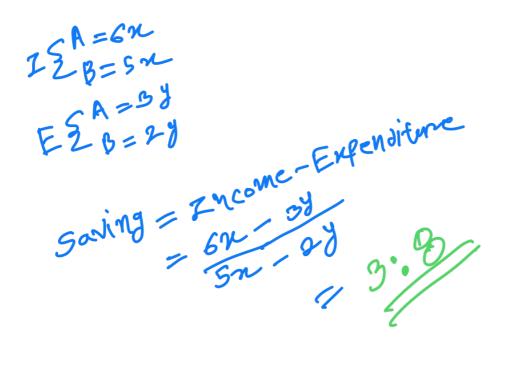
a) 13:47 b) 0 c) 22:47 d) 15:49



- 4) An amount of Rs.1560 was divided among A, B and C in the ratio  $\frac{1}{2}$ :  $\frac{1}{3}$ :  $\frac{1}{4}$ . Find the share of C in this amount.
  - a) Rs.300 b) Rs.320 c) Rs.280 d) Rs.360 e) None of these

 $LCM = 2r^{3}r^{4} = 12$   $LCM = 2r^{3}r^{4} =$ 

- 5) Two men Ashok and Baban have the ratio of their monthly incomes as 6:5. the ratio of their monthly expenditure is 3: 2. find the ratio of their monthly savings.
- a) 1:1 b) 3:5 c) 3:10 d) 3:8 e) Can't be determine



## **Coding Decoding**

- 6) In a certain code ALPHABET is written as YJNFYZCR, then how will CHILDREN be written in the same language?
- a) EJKNFTGP b) AFGJBPCL c) DIJMESFO d) AFJGBPCL



AF & JBPCL

- 7) In a certain code BUSINESS is written as FSWGRCWQ, then how will BANGALORE be written in the same language?
- a) FYREEJSPI b) ZELKXPMVC c) YFERJEPSI d) DCPICNQTG



- 8) In a certain code GUNPOWDER is written as DEGNOPRUW, then how will HOSTPITAL be written in the same language?
- a) AIOHLPST b) HLPSTAIO c) TSPOLIHA d) AHILOPST

QUNPOWDER

DEGNOPRUW

HOSTPZTAL

AHTLOPST

- 9) In a certain code REASONING is written as ASREONGNI, then how will FRIZZLING be written in the same language?
- a) GNILZZIRF b) ZIRFZGNIL c) IZFRZNGLI d) FIRZZLNIG



- 10) In a certain code SENSITIVE is written as HVMHRGREV, then how will HYDROGEN be written in the same language?
- a) SBWILTVM b) MVTLIWBS

