

# S.M.ART School Group MBA4 Homework due 10-04-2022



Here you should try to figure out how to apply table (Rate, Time, Total)

- W1 Meg cleans apartment for 2 hours, Dan for 4. How many hours will take them to clean together?
- W2 Meg cleans apartment for 2 hours, Dan for 6. How many hours will take them to clean together?
- W3 Charles can do a job in 1 hour, Bill can do the job in 2 hours, and Bob can do the job in 3 hours. How long does it take them to do the job together?
- W4 George can wax a large truck in 5 hours working alone. Greg can do the same job in 4 hours. How long will it take them to wax the truck if they work together?

W5 Sum of two numbers is 6. One of them is greater than the other by 0.8. What are the values of each of the numbers?

W6 Sum of two numbers is 0.8. One of them is greater than the other by 6. What are the values of each of the numbers?

D1  $9.345 * X = 0.9345$   
Find numeric value of X, that the equality statement is TRUE

D2  $100.2 * X = 1.002$   
Find numeric value of X, that the equality statement is TRUE

D3  $345 / 1000 =$

D4  $0.9345 * 1,000$

D5  $0.009345 * 100 =$

M1 Explain why multiplying number in decimal form by 10 is the same as shifting decimal point one position to the right. Give an example.

M2 Explain why dividing number in decimal form by 10 is the same as shifting decimal point one position to the left. Give an example.

**Find possible values of  $x$ , so that the following statements are true.**

E1  $14 / x = 98 / (x - 1)$

E2  $0.014 / x = 0.098 / (x - 1)$

E3  $0.014 / (x + 3) = 0.098 / (7x - 7)$

G1 *Old French Problem. A man spent one third of his money and lost two-thirds of the remainder. He then had 12 coins. How much money did he have at first?*

V1 3 consecutive odd numbers are written in increasing order. What is the second number if the sum of the first and third is 98?

V2 3 consecutive odd numbers are written in increasing order. What is the second number if the sum of the first and the second and twice the third is 46.