Worksheet 4 / Percentages | Lower Secondary Stage (6-8)

1st Semester | 2023-2024

Subject: Math   **Chapter:** 9
Objectives:
• to review how to calculate percentage increase and decrease.

Question 1: write whether the statements imply a percentage **increase** or **decrease**. Use the words "increase" or "decrease".

  a) A sale of 15% on shoes. (   )

  b) A 6% raise on fuel prices. (   )

  c) An annual depreciation of a car's value is 5%. (   )

  d) A total bill including 16% tax. (   )

  e) A laptop is marked−up up by 25%. (   )

  f) A 4% drop in women population. (   )

Question 2: To decrease something by 25% the multiplier you should use is 0.75. What multiplier should you use for an:

  a) An increase of 5%. _____

  b) A decrease of 40%. _____

  c) A decrease of 200%._____

  d) An increase of 7.5%. _____

  e) An increase of 300%. _____

  f) A decrease of 13.5%. _____

Question 3: Solve the questions below:

a) A new laptop has been marked up since last year by 25%. If the price last year was $770, what is the cost of it this year?

ANSWER:_____

b) There is a 12% sale on lipstick. If the original price is $9.50, what is the price after sale?

ANSWER:_____

c) My sports cards collection cost me $342. Now it is worth 4% more. How much is it worth now?

ANSWER:_____

d) A few years ago I bought a car costing $26,480. If I sell is now it will loose 35% of it's value. How much will the selling cost be?

ANSWER:_____