

# Worksheet 4 |

Lower Secondary  
Stage (6-8)

1<sup>st</sup> Semester | 2023-2024

**Subject:** Math

**Chapter:** 2

**Objectives:**

- To revise percentage change
- To reverse percentage problems



**Q1:** (a) The price of a TV is £260  
In a sale the price is decreased by 20%

Work out the price of the TV in the sale.

(b) The number of TVs sold increased from 70 to 98

Work out the percentage increase.

**Q2:** The volume of juice in a can is increased from 250ml to 330ml.

Work out the percentage increase.

**Q3:** A puppy weighed 2kg.  
Eight weeks later the puppy weighed 3.5kg

What was the percentage increase in the puppy's weight?

**Q4:** Peter's weight decreases from 80kg to 64kg.

Calculate the percentage decrease in Peter's weight.

**Q5:** Sarah bought a TV for £250  
Three years later she sold it for £180

Work out her percentage loss

**Q6:** A car is travelling at 40 kilometres per hour.  
The car increases its speed to 56 kilometres per hour.

Calculate the percentage increase in the speed of the car.

**Q7:** In a sale the price of microwave decreases from £50 to £39.

Work out the percentage decrease in price.

**Q8:** Christmas is on its way, so the price of a box of Thornton's chocolates has been increased by 15%!! A box of Thornton's Continental now costs £17.25. How much did it cost originally?

**Q9:** Apple is having a 20% off sale. I bought my new Ipad for £40, how much was it originally?

**Q10:** A special bottle of coke contains 10% more than a normal bottle. The special bottle contains 660 ml. How much does the normal bottle contain?

**Q11:** Ivan Ukhov the 2012 Olympics high jump gold medallist jumps 2.4 metres. This is 4% lower than the best height he can jump. What is the best height he can jump?

**Q12:** Jacob buys a watch costing £84  
This cost includes VAT at a rate of 20%.

How much is the watch without VAT?