

Mark's car breaks down and he needs to get a new radiator. The cost for a new radiator is \$400 but he goes to get it at a junk shop and gets it for 80% off. He then hires a mechanic to install it and it takes 3 hours at \$50 an hour. How much did he pay?

Original Text

First, calculate the cost of the radiator from the junk shop. Mark gets it at 80% off the original price of \$400.

The discount amount is:

$$\text{\[400 \times 0.80 = 320 \text{ \textit{dollars}} \]}$$

So, the price he pays for the radiator is:

$$\text{\[400 - 320 = 80 \text{ \textit{dollars}} \]}$$

Next, calculate the cost of hiring the mechanic. The mechanic charges \$50 per hour for 3 hours:

$$\text{\[50 \times 3 = 150 \text{ \textit{dollars}} \]}$$

Now, add the cost of the radiator and the mechanic's fee to find the total amount Mark paid:

$$\text{\[80 + 150 = 230 \text{ \textit{dollars}} \]}$$

Therefore, Mark paid a total of \$230.

Perturbed Text

First, calculate the cost of the radiator from the junk shop. Mark gets it at 80% off the original price of €400.

The discount amount is:

$$\text{\[400 \times 0.80 = 320 \text{ \textit{euros}} \]}$$

So, the price he pays for the radiator is:

$$\text{\[400 - 320 = 80 \text{ \textit{euros}} \]}$$

Next, calculate the cost of hiring the mechanic. The mechanic charges €50 per hour for 3 hours:

$$\text{\[50 \times 3 = 150 \text{ \textit{euros}} \]}$$

Now, add the cost of the radiator and the mechanic's fee to find the total amount Mark paid:

$$\text{\[80 + 150 = 230 \text{ \textit{euros}} \]}$$

Therefore, Mark paid a total of €230.