Profit, Loss and Percentages

1. Calculate the profit or loss.

a. Amelia bought ingredients worth $180 and made 12 burgers. If they sold the burgers for $240, what was the profit per burger?

b. Charlotte bought a dress for $25 from a thrift shop. They made repairs and alterations that cost $15 and sold it for $70. What was the profit?

c. Marcus purchased concert tickets for $520 and resold them for $610. What was the profit?

d. Riley bought a second-hand phone for $340, spent $45 on repairing the screen, and sold it for $415. Calculate the profit.

e. Jade spent $360 buying used books and earned $495 after reselling them online. How much did they make?

2. Calculate the percentage profit or loss.

a. Huck sold seafood for $3,087. If they purchased it for $2,100 from the market, find the percentage profit.

b. Zara bought a bike for $840 and sold it for $735 after buckling the wheel crashing into a tree. What was the percentage loss?

c. Elijah purchased a set of tools for $260 and later sold them for $325. What was the percentage profit?

d. Ava bought a bundle of phone cases for $180 and sold them all for $153 after realising they didn't fit the newest model. What was the percentage loss?

e. Toby bought a stack of paintings at a garage sale for $320 and resold them at a local gallery for $480. What was their percentage profit?

f. Harper spent $960 on materials to make pottery and earned $720 from sales at a craft fair. What percentage loss did they make?

3. Calculate the percentage discount and the final percentage profit or loss.

a. The cost price of a TV was $700 and the initial selling price was $2100. When it went on sale it only cost $1500. Calculate the percentage discount from the initial selling price and the final percentage profit or loss.

b. A jacket cost $160 to make. It was originally priced at $400, but sold for $280 in a sale. Find the percentage discount and the percentage profit.

c. A pair of shoes cost $120 and had a retail price of $300. They were sold with a 30% discount. Find the sale price and the percentage profit.

d. A painting was bought for $1500 and marked to sell at $3200. It was eventually sold for $2560. Find the percentage discount and the percentage profit.

e. A laptop was purchased for $950 and marked at $1700. During a back-to-school sale, it sold for $1360. Find the percentage discount and final percentage profit.

f. Theo made custom skateboards at a cost of $180 each. They were listed online for $400 but sold for $320 after applying a discount. What was the discount percentage and profit percentage?