# Math Worksheet Using Percentages in Different Career Fields

## Healthcare:

1. Problem: A hospital administrator needs to calculate the percentage increase in the number of patients admitted to the emergency department this month compared to last month. If there were 150 admissions last month and 180 admissions this month, what is the percentage increase?

## Finance:

1. Problem: A financial analyst wants to determine the percentage of the total portfolio that is allocated to tech stocks. If the total portfolio value is $500,000 and $150,000 is invested in tech stocks, what percentage of the portfolio is allocated to tech stocks?

## Education:

## Problem: A school principal is analyzing the attendance data for the current school year. If there are 800 students enrolled in the school and 720 students attended class today, what is the percentage of students who attended school today?

## Retail:

1. Problem: A retail store is offering a 20% discount on all items for a weekend sale. If a customer purchases a jacket originally priced at $120, how much will they pay after the discount?

## Engineering:

1. Problem: An engineering firm is estimating the cost overrun for a construction project. If the original budget was $1,000,000 and the actual expenditure is $1,250,000, what is the percentage increase in cost?

## Hospitality:

1. Problem: A hotel manager wants to calculate the occupancy rate for the month. If the hotel has 150 rooms and 120 rooms were occupied last night, what is the occupancy rate as a percentage?

## Marketing:

1. Problem: A marketing manager is analyzing the performance of an advertising campaign. If the campaign generated 500 leads, and 100 of those leads converted into sales, what is the conversion rate as a percentage?

## Technology:

1. Problem: A software company is experiencing an increase in website traffic. If the website had 10,000 visitors last month and 15,000 visitors this month, what is the percentage increase in website traffic?