

# 35 Lecture - CS501

## Important Subjective

1. **What is the result of multiplying two negative integers?**

Answer: The product of two negative integers is a positive integer.

**How do you perform long division with integers?**

Answer: Long division with integers is performed similarly to long division with whole numbers. Divide the dividend by the divisor and write the quotient above the dividend. Multiply the quotient by the divisor and write the result under the dividend. Subtract the result from the dividend to get the remainder. Repeat these steps until the remainder is less than the divisor.

**What is the result of multiplying an even integer and an odd integer?**

Answer: The product of an even integer and an odd integer is an even integer.

**How do you divide an integer by a fraction?**

Answer: To divide an integer by a fraction, multiply the integer by the reciprocal of the fraction.

**What is the result of multiplying a positive integer and a negative integer?**

Answer: The product of a positive integer and a negative integer is a negative integer.

**How do you perform multiplication of integers with different signs?**

Answer: To perform multiplication of integers with different signs, multiply the absolute values of the integers and assign the product a negative sign if one of the integers is negative.

**What is the result of dividing a positive integer by a negative integer?**

Answer: The result of dividing a positive integer by a negative integer is a negative integer.

**How do you perform long multiplication with integers?**

Answer: Long multiplication with integers is performed similarly to long multiplication with whole numbers. Multiply the digits in each column and carry over any remainders to the next column.

**What is the result of dividing a negative integer by a negative integer?**

Answer: The result of dividing a negative integer by a negative integer is a positive integer.

**How do you perform division of integers with different signs?**

Answer: To perform division of integers with different signs, divide the absolute values of the integers and assign the result a negative sign if one of the integers is negative.