

Grade 7, Mathematics – Part II **Equations**

Each part, construct an equation to represent the information given in the statements.

- (i) When 7 is added to the number represented by x , the value obtained is 20.

- (ii) Nimal's present age is x years. In another 5 years he will be 18 years old.

- (iii) When 12 is subtracted from the number represented by y , the value obtained is 27.

- (iv) Saman received a salary of x rupees in January. The amount remaining from his salary after he had sent Rs 5000 to his mother was Rs 8000.

- (v) When a number x is multiplied by 2, the value that is obtained is 34.

- (vi) The amount spent on three pencils of the same type which cost p rupees each was 54 rupees.

- (vii) The price of 1 kg of rice is r rupees. When 80 rupees is added to the price of 4 kg of rice, the value is 500 rupees.

(viii) The age of a father was three times the age of his son on the day of the son's wedding. The mother's age on this day was 60 years. The mother is 6 years younger to the father. Take the son's age to be x years.

(ix) Due to the price of a newspaper increasing by 10 rupees, its price is now 30 rupees.

(x) When a piece of cloth of length 70 cm is cut out, a piece of length 40 cm is left over.

(xi) 200 rupees was needed to purchase 5 mangosteens and one pineapple priced at 100 rupees.

(xii) When 12 is subtracted from five times a certain number, the value obtained is 98.

(xiii) When 4 is added to three times a certain number, the value obtained is 73.

(xiv) Sameera needed to buy a book worth 500 rupees. He saved an equal amount of money each day for 7 days. To purchase the book, he needed to add another 129 rupees to the amount he had saved.