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.

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(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 60years. 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.

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