BCM SCHOOL, BASANT AVENUE, DUGRI ROAD, LUDHIANA

CLASS: VIII (2023-2024)

SUBJECT: MATHEMATICS

CHAPTER: LINEAR EQUATIONS IN ONE VARIABLE

ANSWER KEY OF ASSIGNMENT

Sol.5 Multiplying both sides by 60 i.e. the LCM of 3, 5 and 4, we get

$20(x + 2) - 12(x + 1) = 15(x - 3) - 1 \times 60$

$x = 19$

Sol.6 Let Amina's age be x years

Then Kunwar's age is $(x + 3)$years

Six years ago, Amina's age was $(x - 6)$years

Kunwar's age was $(x + 3 - 6)$years $= (x - 3)$years

ATQ:

$x - 3 = 4(x - 6)$

$x = 7$

Sol.7 Let no. of question answered correctly = x

No. of wrong answers and unattempted questions = $(90 - x)$

$\therefore$ Total score $= 2x - (90 - x)(1)$

$2x - (90 - x) = 60$

$x = 50$