

BCM SCHOOL, BASANT AVENUE, DUGRI, LUDHIANA
CLASS – VII (MATHEMATICS)
JULY & AUGUST ASSIGNMENT

Q.1	c) 50
Q.2	c) 2
Q.3	c) assertion is correct but reason is false.
Q.4	$\frac{1}{2} + \frac{1}{3} = \frac{5}{6}$ Reciprocal = $\frac{6}{5}$
Q.5	$3P + 2Q = 3(m^2 - n^2) + 2(2n + m)$ $= 3m^2 - 3n^2 + 4n + 2m$
Q.6	160 hours
Q.7	Let the expression to be subtracted be S. $2x^2 + 8xy + 10 - S = -3x^2 + 7y^2 + 16$ $S = 5x^2 + 8xy - 7y^2 - 6$
Q.8	First sum: $(2y^2 + 3yz) + (-y^2 - yz - z^2) + (yz + 2z^2)$ $= y^2 + 3yz + z^2$ Second sum: $(3y^2 - z^2) + (-y^2 + yz + z^2)$ $= 2y^2 + yz$ Subtracting: $(y^2 + 3yz + z^2) - (2y^2 + yz)$ $= -y^2 + 2yz + z^2$
Q.9	Given: 10th Fibonacci number = 55 11th Fibonacci number = 89 The next term is: $55 + 89 = 144$ Therefore, the 12th Fibonacci number is: 144 Since 144 is divisible by 2, it is even