Name: **Grade:** **Score:**

Worksheet #2

COMPOUND INTEREST- FINDING AMOUNT

Learning goal: Students will be able to understand and to find compound interest in real-life problems.

Instructions: Calculate the amount using the formula.

$$A = P\left(1 + \frac{r}{100}\right)^{n}$$

Q. No.	GIVEN	SUBSTITUTION	CALCULATION	AMOUNT
1.	P = ₹7,000 r = 9% n = 3			
2.	P = ₹8,000 r = 7% n = 5			
3.	P = ₹5,000 r = 5% n = 6			
4.	P = ₹9,000 r = 6% n = 4			
5.	P = ₹10,000 r = 4% n = 3			

Find the amount. Given: P = ₹4,000 r = 6% n = 3	Find the amount. Given: P = ₹5,000 r = 5% n = 5	Find the amount. Given: P = ₹6,000 r = 4% n = 4	Find the amount. Given: P = ₹3,000 r = 8% n = 2

Name: **Grade:** **Score:**

Worksheet #2 (Answers)

COMPOUND INTEREST- FINDING AMOUNT

Learning goal: Students will be able to understand and to find compound interest in real-life problems.

Instructions: Calculate the amount using the formula.

$$A = P\left(1 + \frac{r}{100}\right)^n$$

Q. No.	GIVEN	SUBSTITUTION	CALCULATION	AMOUNT
1.	P = ₹7,000 r = 9% n = 3	$A = 7000\left(1 + \frac{9}{100}\right)^3$	$A = 7000(1.09)^3$ $A = 7000\,(1.295029)$	10770.20
2.	P = ₹8,000 r = 7% n = 5	$A = 8000\left(1 + \frac{7}{100}\right)^5$	$A = 8000(1.07)^5$ $A = 8000\,(1.402551)$	11220.41
3.	P = ₹5,000 r = 5% n = 6	$A = 5000\left(1 + \frac{5}{100}\right)^6$	$A = 5000(1.05)^6$ $A = 5000\,(1.340095)$	6700.47
4.	P = ₹9,000 r = 6% n = 4	$A = 9000\left(1 + \frac{6}{100}\right)^4$	$A = 9000(1.06)^4$ $A = 9000\,(1.262476)$	11362.28
5.	P = ₹10,000 r = 4% n = 3	$A = 10000\left(1 + \frac{4}{100}\right)^3$	$A = 10000(1.04)^3$ $A = 10000\,(1.124864)$	11248.64

Find the amount. Given: P = ₹4,000 r = 6% n = 3	Find the amount. Given: P = ₹5,000 r = 5% n = 5	Find the amount. Given: P = ₹6,000 r = 4% n = 4	Find the amount. Given: P = ₹3,000 r = 8% n = 2
4764.06	**6381.41**	**7019.15**	**3499.20**