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

Worksheet #1

COMPOUND INTEREST- FORMULA FAMILIARITY

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

Instructions: Calculate the Compound Interest using the formula.

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

Q. No.	GIVEN	FORMULA	SUBSTITUTION
1.	P = ₹1,000 r = 5% n = 2		
2.	P = ₹10,000 r = 4% n = 3		
3.	P = ₹5,000 r = 7% n = 2		
4.	P = ₹8,000 r = 2% n = 5		
5.	P = ₹11,000 r = 4% n = 2		
6.	P = ₹9,000 r = 15% n = 3		

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

Worksheet #1 (Answers)

COMPOUND INTEREST- FORMULA FAMILIARITY

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

Instructions: Calculate the Compound Interest using the formula.

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

Q. No.	GIVEN	FORMULA	SUBSTITUTION
1.	P = ₹1,000 r = 5% n = 2	$A = P\left(1 + \frac{r}{100}\right)^n$	$A = 1000\left(1 + \frac{5}{100}\right)^2$
2.	P = ₹10,000 r = 4% n = 3	$A = P\left(1 + \frac{r}{100}\right)^n$	$A = 10,000\left(1 + \frac{4}{100}\right)^3$
3.	P = ₹5,000 r = 7% n = 2	$A = P\left(1 + \frac{r}{100}\right)^n$	$A = 5000\left(1 + \frac{7}{100}\right)^2$
4.	P = ₹8,000 r = 2% n = 5	$A = P\left(1 + \frac{r}{100}\right)^n$	$A = 8000\left(1 + \frac{2}{100}\right)^5$
5.	P = ₹11,000 r = 4% n = 2	$A = P\left(1 + \frac{r}{100}\right)^n$	$A = 11000\left(1 + \frac{4}{100}\right)^2$
6.	P = ₹9,000 r = 15% n = 3	$A = P\left(1 + \frac{r}{100}\right)^n$	$A = 9000\left(1 + \frac{15}{100}\right)^3$