

ARITHMETIC PROGRESSIONS

Name of the Student :

Date :

General Form of an AP :**Consider an AP : 2, 5, 8, 11, 14,****First term (a) = 2 Common difference (d) = 3**

a_1	2	$2 + 0$	$2 + 0 \times 3$	a
a_2	5	$2 + 3$	$2 + 1 \times 3$	$a + d$
a_3	8	$2 + 6$	$2 + 2 \times 3$	$a + 2d$
a_4		+	+ \times	
a_5		+	+ \times	

a_6		+	+	×	
a_7		+	+	×	
a_8		+	+	×	
a_n					

∴ General Form of an AP :

, , , ,

n^{th} term of an AP :

$$a_n =$$