(a) The table shows the numbers of tigers reported to be living in the wild in the year 2014 in some 3 countries.

Country	Number
India	2226
Indonesia	371
Nepal	198
Bangladesh	106

		1110110		
		Indonesia	371	
		Nepal	198	
		Bangladesh	106	
(i)	Using the ta	able,		
	(a) find th	e number of tigers in Nepal a	s a percentage of the numb	er of tigers in Bangladesh,
		ne ratio tigers in Bangladesh r in its simplest form.		
(ii)	Five years	later, the number of tigers rep		[2]
()		rcentage increase in the popu		
	ring the pe	rcentage increase in the popu	-	% [2]
(iii)	The number year 2010.	er of tigers in India in the year	ar 2014 is approximately 3	30.48% greater than in the
		mber of tigers in India in the answer correct to the nearest i		

.....[3]

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(b)	At the start of June, a hive has a population of 2000 bees.		
	Three months after the start of June the hive has a population of 2662 bees.		

The population of this hive can be calculated using the formula

$$P = ab^x$$
,

where P is the population of the hive x months after the start of June.

By finding the value of *a* and the value of *b*, calculate the population of the hive 7 months after the start of June.

Give your answer correct to the nearest integer.

