Observation table:

	Velocity of	Resonating lengths		Frequency of		End	
	sound at	First	Second	tuning fork	Mean	correction	
S.N.	laboratory	resonating	resonating	f(Hz)	f	e (m)	Mean
	temperature	length	length	$f = \frac{v_t}{}$	(Hz)	$l_2 - 3l_1$	\boldsymbol{e}
	$v_t(m/s)$	$l_1(m)$	$l_2(m)$	$2(l_2-l_1)$		$e - {2}$	(m)
1.							
2.							
3.							
4.							

CALCULATIONS:

From above table,

Frequency of tuning fork, $f = \dots Hz$

End correction of tube, $e = \dots m$

PERCENTAGE ERROR:

• Frequency of tuning fork:

Standard value of frequency of tuning fork, $f_s = \dots Hz$

Observed value of frequency of tuning fork, $f_0 = \dots Hz$

• End correction of tube:

Standard value of end correction of tube, $e_s = 0.3 d = \dots m$

Observed value of end correction of tube, $e_o = \dots m$

RESULT:

The frequency of tuning fork has been found to be with error.....and the end correction of the given tube has been found to be with error.