# Group 4:

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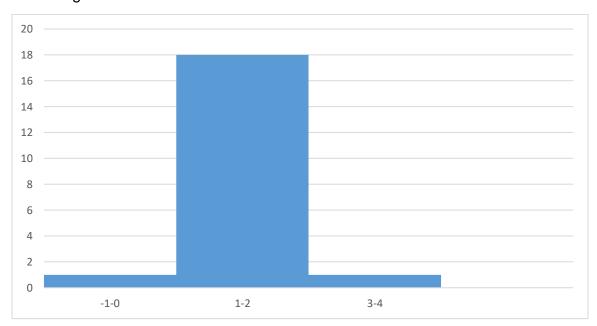
# **Activity 3 Sampling Distribution**

**Data:** 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 2, 2, 2, 2, 2, 2, 2, 2, 3

#### 1. Class Interval

-1 - 0	1
1 - 2	18
3 - 4	1

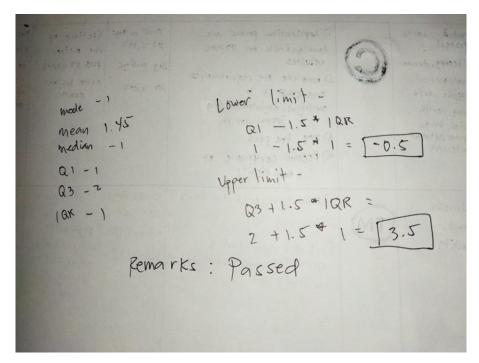
# 2. Histogram



#### 3. Pearson Coefficient of Skewness

4	(4-7)	(+-+)2	$\mathcal{E}(x-x)^2 = 8.95 \qquad \overline{x} = \underline{2x}$
0	-1.45	2.1025	2 07-7) - 5,-13
	-0.45	0.2025	
	-0-45	0-2025	$S = \frac{2(x-x)^2}{x} = 29$
	-0.45	0.2025	\ /- 1
	-0.45	0.2025	n-1 20
	-0.45	0.2025	- 105
	-0.45	0-2025	$S = \sqrt{\frac{8.95}{x}} = 1.45$
i l	-0.45	0.2025	19
	-0.45	0.2025	
	-0.45	0.2025	5= 0.6863
	-0.45	0.2025	
-	0.55	0.3025	median= 1
_	0.55	0.3025	
.	0-55	0.3025	PC= 3 (x-median) _ PC= 1.35
	0.55	0.3025	0.6863
_	0-55	0.3025	
	0.55	0.3025	PC= 3 [(1.45)-(1)]   PC= 1.9671
	0.55	0.3025	0.6863
	0.55	0.3025	0.000
	1.55	2.4025	

#### 4. Upper and Lower Limits



<sup>\*</sup> There are no potential outliers.

# Remarks:

- Histogram: PASSED

- Pearson Coefficient of Skewness: PASSED

- Upper and Lower Limits: **PASSED**