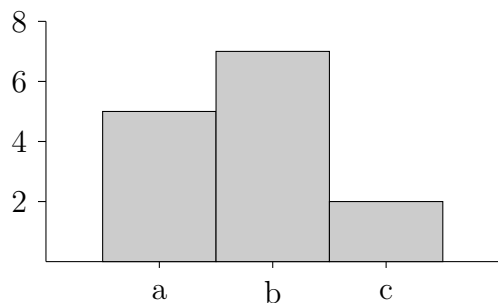


**Instructions:** This is just a test of the emergency exam broadcast system. If it were a real exam, this note would be followed by instructions on how to complete

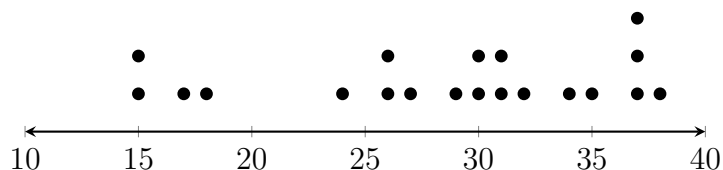
Is this the real life? Is this just fantasy?

1. What is the value of  $\frac{2}{3}$  as a decimal?

2. Here is a histogram:



3. This is a dot plot:



4. Find the class width of the set: 19, 22, 29, 39, 45, 48, 52, 57

5. (2 pts) Solve the inequality  $\frac{7.0}{x-1} \geq \frac{3.0}{x-3}$ :

6. (2 pts) Solve the polynomial equation:  $x^2 + 6x + 9 = 0$ .

7. (2 pts) Solve the inequality  $\frac{7.0}{x-3} \geq \frac{5.0}{x+1}$ :

8. (4 pts) Solve the polynomial equation:  $2x^2 + 3x + 11 = 0$ .