## Application of Z score Zsione = $\frac{\chi - M}{2}$ $N \left( H = 50 \text{ cm}, \quad r = 20, \quad D = 110 \right)$ How many standard deviation D is away from mean? $2 \text{ sore} = \frac{\chi_1 - \mu}{\sigma} = \frac{110 - \Omega}{20} = \frac{60}{20} = \frac{3}{20}$ D=110 is 30 away from mean. Z=3 > D=110 is 3 sq away from mean 5 = 20 > the dp on an any is 20 units away from mean. 30 H=50 70 90 Isd away from mean >> 14 +10 = 50 + 1 x 20 = 70 = M+20 = 50 +2XD => 90 11 = M+20= 50+3×20 => 110 3 sd 11 11 4-37 = 4-37 = 1 4-27 = 4-1 = 2 4-17 = 4-1 = 37 4-16 - H-20 - 4-30 $X = \{1, 2, 3, 4, 5, 6, 7\}$ H+18=4+1x1=5 4=4 4+20=4+2x1=6 6-> H+36 = 4+3×1=7 What I of Slose will fall abone > What is probabilly that

2 3 4=4 5 6

Store is more than 4.5?



