

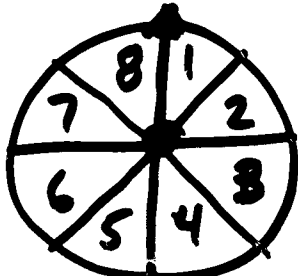
BE-1A MONDAY 10-22-07

① REPLACE THE $\square$ WITH $<$, $>$, or $=$
NO CALCULATORS!

Ⓐ $7.\bar{2} \square \sqrt{52}$

Ⓑ $2.6 \square \sqrt{7}$

② $\sqrt{.25} = ?$ "💡" USE FRACTIONS

③ Spinner: (random)  $P(7) = ?$

NOTE: LAST 30 minutes of class = Q&A, 32

WHAT ARE THE MEAN, MEDIAN, MODE
OF A SET OF DATA?

↑ ↑ ↑
AVERAGE MIDDLE MOST
 OFTEN

Ex) 5 quizzes are 60, 60,
Find mean, median, mode

$$\text{MEAN} = \frac{60 + 60 + 75 + 80 + 90}{5}$$

$$= \frac{365}{5} = \boxed{73} = \text{mean}$$

MEDIAN → 60, 60, 90, 75, 80 ← use ✓ to keep track
60, 60, 75, 80, 90 ← PUT IN ORDER!
 ↑
 MEDIAN

MODE → 60 There MAY BE NO MODE.
There MAY BE MORE THAN
ONE MODE

"MEASURES OF CENTRAL TENDENCY"

Find mean, median, mode of $\{1, 2, 3, 4\}$

$$\text{MEAN} = \frac{1+2+3+4}{4} = \frac{10}{4} = \boxed{\frac{5}{2}} \text{ or } \boxed{2\frac{1}{2}}$$

MEDIAN $\Rightarrow$ 1, $\boxed{2, 3}$, 4

$$\frac{2+3}{2} = \boxed{\frac{5}{2}} \text{ or } \boxed{2\frac{1}{2}}$$

WHEN THE NUMBER OF ITEMS IS EVEN, TAKE THE MIDDLE OF THE TWO middle numbers for the median.

MODE $\Rightarrow$ $\boxed{\text{NO MODE}}$

Hw: Read Ch. 2-5

Clear desks for Q2 Quiz 2