HW: Worksheet/7, 11, 13-21

Warm up:

Solve.

1) $4 - 5n = -12$

$-4 \quad -4$

$\frac{-5n}{-5} = \frac{-16}{-5}$

$n = \frac{16}{5} = 3\frac{1}{5}$

2) $-3\frac{1}{4} = \frac{5}{6} + \frac{2}{3}g$

$-\frac{5}{6} \quad -\frac{5}{6}$

$-\frac{13}{4} - \frac{5}{6}$

$-\frac{39}{12} - \frac{10}{12} = -\frac{49}{12}$

$\frac{3}{2}\left(-\frac{49}{12}\right) = \left(\frac{2}{3}g\right)\frac{3}{2}$

$-\frac{49}{8} = g$

$-6\frac{1}{8} = g$

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statistics

mean	the sum of the data divided by the number of items in the data set
median	the middle number in a set that has been ordered from least to greatest
mode	the number that occurs most often in a data set
range	the difference between the largest and smallest number in the data set

~~46~~, ~~53~~, ~~33~~, ~~53~~, 79

33, 46, 53, 53, 79

$\text{mean} = \frac{33+46+53+53+79}{5} = \frac{264}{5} = 52.8$

median = 53

mode = 53

range = 79 - 33 = 46

21, 26, 27, 38, 17, 19, 42, 24

17, 19, 21, 24, 26, 27, 38, 42

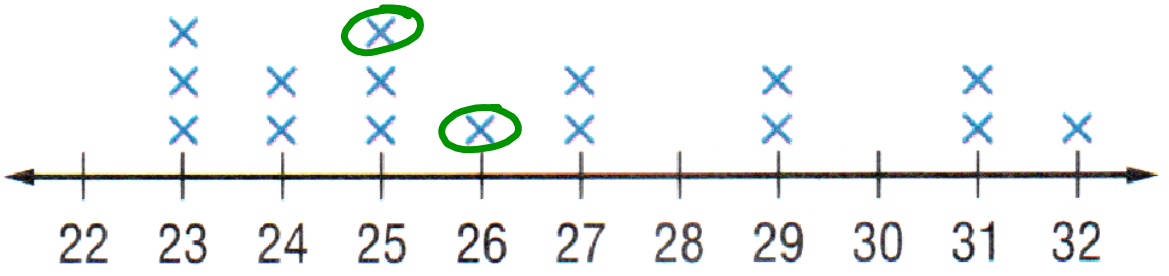
$\text{mean} = \frac{21+26+27+38+17+19+42+24}{8} = \frac{214}{8} = 26.75$

$\text{median} = \frac{24+26}{2} = 25$

no mode

range = 42 − 17 = 25

Minutes Spent Walking



mean = $\frac{424}{16} = 26.5$

median = $\frac{25+26}{2} = 25.5$

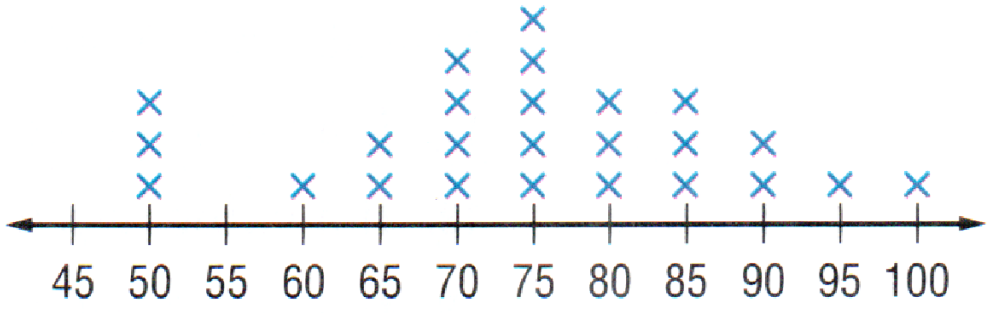
mode = 23 and 25

range = 32 − 23 = 9

Find the mean, median, mode, and range.

1) 29, 14, 80, 59, 78, 30, 59, 69, 55, 50

2) The line plot show the price of athletic shoes.



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1) 29, 14, 80, 59, 78, 30, 59, 69, 55, 50

14, 29, 30, 50, 55, 59, 59, 69, 78, 80

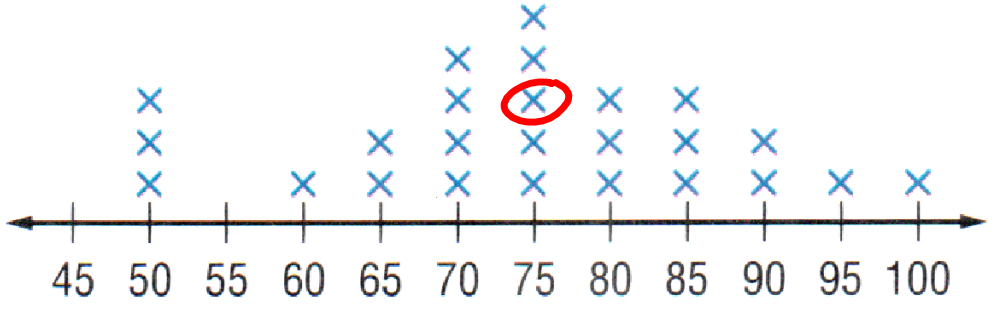
mean = $\frac{523}{10} = 52.3$

median = $\frac{55+59}{2} = 57$

mode = 59

range = 80 − 14 = 66

2) The line plot show the price of athletic shoes.



mean = $\frac{1865}{25}$ = 74.6

median = 75

mode = 75

range = 100 - 50 = 50

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