le median is $\frac{1}{2}\times(91+93)=92$

The 25% trimmed mean is $\frac{1}{25}\times(\frac{1}{2}\times65+\frac{1}{2}\times141+67+68+71+74+76+78+79$

$+81+84+85+89+91+93+96+99+101+104+105+105+112+118+123+136+139)$

$=87.2$

The 10% trimmed mean is $\frac{1}{40}\times(36+39+44+47+50+59+61+65+67+$

$68+71+74+76+78+79+81+84+85+89+91+93+96+99+101+104+105$

$+105+112+118+123+136+139+141+148+158+161+168+184+206+248)$

$=102.25$

The 10% trimmed mean > The sample median > The 25% trimmed mean

44. a. The range is from 26.3 to 49.3

b $\bar{x}=\frac{1}{10}\times(29.5+49.3+30.6+28.2+28.0+26.5+33.9+29.4+23.5+31.6)$

$=\frac{1}{10}\times282.3=28.23$

$s^2=\frac{1}{10-1}\times[(29.5-28.23)^2+(49.3-28.23)^2+(30.6-28.23)^2+(28.2-28.23)+(28-28.23)^2$

$+(26.5-28.23)^2+(33.9-28.23)^2+(29.4-28.23)^2+(23.5-28.23)^2+$

$(31.6-28.23)^2]\approx232.43$

c. The sample standard deviation is $s=\sqrt{s^2}\approx15.25$

d. $s^2=\frac{1}{n-1}\sum(x_i-\bar{x})^2=\frac{S_x}{n-1}=\frac{1}{n-1}[\sum x_i-\frac{(\sum x_i)^2}{n}]\approx232.43$