1 A large company claims that the median salary of its employees is \$32 500. The salaries (\$) of 15 randomly selected employees are listed below.

18 750	30 500	125 000	42 500	25 000
26 000	52 500	23 000	27 500	19 500
25 500	33 000	30 000	21 500	29 000

(a) Explain why a Wilcoxon signed-rank test may not be appropriate to test the company's claim in this case. [1]

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(b) Carry out a sign test at the 10% significance level to investigate the company's claim. [5]

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