

Quiz 12, Problem 3

The following is a stemplot of 12 exam scores:
(The stem is the tens place and the leaf is the ones place.)

6		8
7		6 6
8		0 4 8 8
9		2 2 6 6 6

3. The first and third quartiles are, respectively,

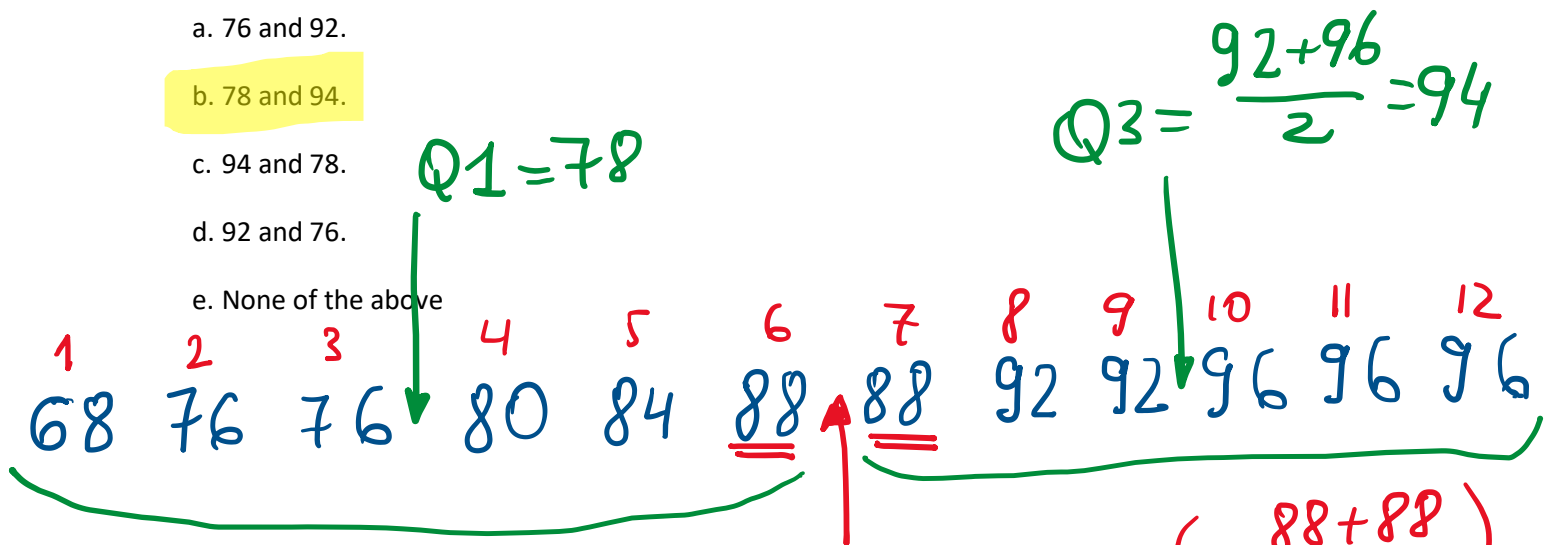
a. 76 and 92.

b. 78 and 94.

c. 94 and 78.

d. 92 and 76.

e. None of the above



$Q1$ is the median
of these six numbers
Hence

$$\frac{76 + 80}{2} = 78$$

but it is not any of
the underlined 88's

! When calculating the median (and later
quartiles too) pay attention to
the **LOCATION** first and only then to
the **VALUE**.