**Grade 6 Men’s Shoe Sizes-Training Set 2 Annotations**

**T2-1 Score 3**

Part A: The student provided the correct answer (*10* $\frac{1}{2}$) with a correct and complete explanation (line inside of the clear box is the median). [2 points]

Part B: The student provided the correct answer (*10 men*) with a correct, but incomplete explanation (*They both have 25% of men in the segment*). The student is only referring to 2 of the 4 sections. [1.5 points]

**T2-2 Score 0**

Part A: The student provided an incorrect answer (*9.5*) with an incorrect explanation (*by counting to the middle*)that does not explain that the median in a box-and-whisker plot is the line inside the box. [0 points]

Part B: The student does not provide an answer for number of men with shoe sizes in each interval with an incorrect explanation that does not explain that each quartile is 25% of the total number of men. The student has perhaps confused the number of shoe sizes instead of the number of men. [0 points]

**T2-3 Score 4**

Part A: The student provided the correct answer (*10.5*) with a correct and complete explanation *(line in the box indicates the median)*. [2 points]

Part B: The student provided the correct answer (*10 men*) with a correct and complete explanation *Ieach section of the box and whisker plot is* $\frac{1}{4}$ *…40 ·* $\frac{1}{4}$ *= 10 men*)*.* [2 points]

**T2-4 Score 1**

Part A: The student provided the correct answer (*10 and a half*) with an incorrect explanation (*because that is the shoe size that was recorded the most*) that does not explain that the median in a box-and-whisker plot is the line inside the box. [1 point]

Part B: The student provided an incorrect answer (*ten and a half*) with an incorrect explanation (*because on the box a whisker plot shows that the most commons was the 10 and a half*) that does not explain that each quartile is 25% of the total number of men*.* [0 points]

**T2-5 Score 3**

Part A: The student provided the correct answer (*10.5*) with a correct, but incomplete explanation (*the median mark is in between 10 and 11*). This explanation does not indicate the location is the line inside the box. [1.5 points]

Part B: The student provided the correct answer (*each interval has 10 men in it*) with a correct and complete explanation (*each of the whiskers and boxes are worth 25% so they are equal…there are 40 men so 40/4 = 10*)*.* [2 points]

**T2-6 Score 2**

Part A: The student provided the correct answer (*10.5*) with a correct and complete explanation *(line in the box stand for the median).* [2 points]

Part B: The student did not provide an answer for number of men with shoe sizes in each interval with an incorrect explanation (*the box shows where the most common numbers are not the lines on the outside*) that does not explain that each quartile is 25% of the total number of men. [0 points]

**T2-7 Score 4**

Part A: The student provided the correct answer (*10.5*) with a correct and complete explanation (*the median is allways the “middle” line in the box*). [2 points]

Part B: The student provided the correct answer (*there is 10 men*) and the correct and complete explanation *(each section takes up 25% and 25% of 40 is ten)*. [2 points]

**T2-8 Score 1**

Part A: The student provided the correct answer (*10.5*) with an incorrect explanation (*10.5 is in the middle of 10 and 11*) that does not explain that the median in a box-and-whisker plot is the line inside the box. [1 point]

Part B: The student does not provide an answer for number of men with shoe sizes in each interval with an incorrect explanation that does not explain that each quartile is 25% of the total number of men. [0 points]

**T2-9 Score 3**

Part A: The student provided the correct answer (*10* $\frac{1}{2}$) and provided no explanation that the median in a box-and-whisker lot is the line inside the box. [1 point]

Part B: The student provided the correct answer (*ten men*) with a correct and complete explanation *(Each quartile is a quarter of the total 40…and the length of the interval has no part in finding which quartile has the most data).* [2 points]

**T2-10 Score 2**

Part A: The student provided the correct answer (*10.5*) and the correct and complete explanation *(middle line in the box…the middle line of the box indicates the median).* [2 points]

Part B: The student does not provide an answer for number of men with shoe sizes in each interval with an incorrect explanation that does not explain that each quartile is 25% of the total number of men. [0 points]