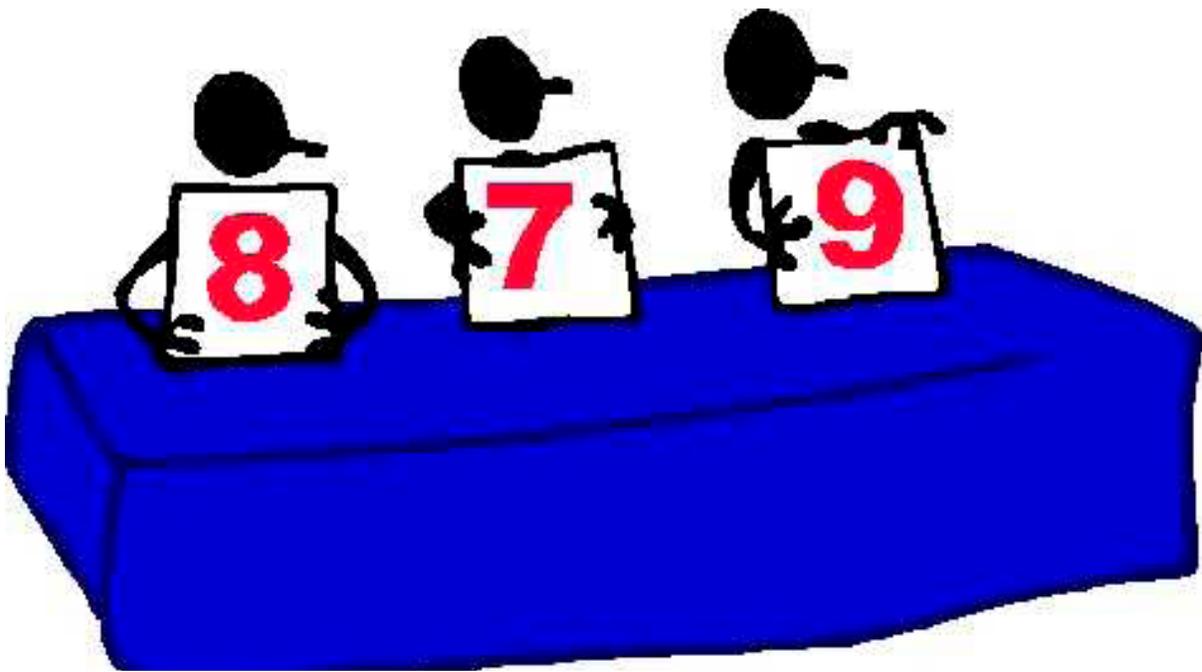


Scoring Performance Assessments – Student Work Samples

Protocol #2



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Camping Trip

A group of 8 people are all going camping for three days and need to carry their own water. They read in a guide book that 12.5 liters are needed for a party of 5 people for 1 day. Based on the guide book, what is the minimum amount of water the 8 people should carry all together? Explain your answer.

A

$$8 = \text{stick figures}$$

$$\begin{array}{r} 12.5 \\ \div 5 \\ \hline 2.5 \end{array} \times 4 = 10 + 50 = 60$$

B

I divided 12.5 liters by 5 people = 2.5 liters/person. I did that so that I could take 2.5 liters X 8 people = 20 liters each day. Now I need to multiply 20 liters/day

C

20 liters for 8 people one day

2.5 for each person

$$\begin{array}{r} 12.5 \\ \div 5 \\ \hline 2.5 \end{array}$$

$$\begin{array}{r} 12.5 \\ + 2.5 \\ \hline 15.0 \\ + 2.5 \\ \hline 17.5 \\ + 2.5 \\ \hline 20.0 \end{array}$$

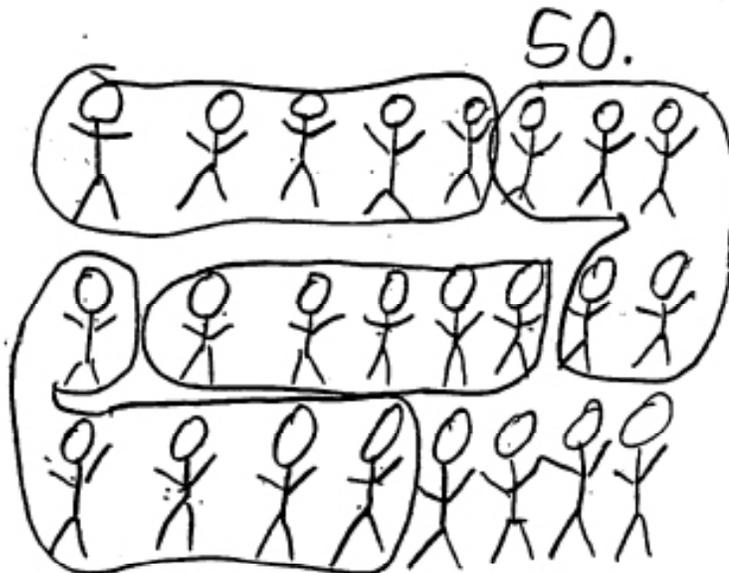
Camping Trip

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D

They can bring enough water for 5 people for 6 days so 75 liters should be enough

E



F

If 12.5 liters are needed for 9 people for 1 day then 45 liters will be needed for three days for 8 people because for 1 person it was 1.5 which all together equaled 12.5 for 1 day for 8 people to go on a 1 day trip you'd have to bring 65 liters.

Camping Trip

A group of 8 people are all going camping for three days and need to carry their own water. They read in a guide book that 12.5 liters are needed for a party of 5 people for 1 day. Based on the guide book, what is the minimum amount of water the 8 people should carry all together? Explain your answer.

G 60 liters. I came up with that by getting how much 1 person needed then how much 8 people needed that was 20 then I multiplied that by three for three days

H

$$\begin{array}{r} 12.5 \\ \div 5 \\ \hline 4 \end{array} \quad \begin{array}{r} 12.5 \\ + 2 \\ \hline 24.7 \end{array} \quad \begin{array}{r} 24.5 \\ + 4 \\ \hline 28.5 \end{array} \quad \textcircled{28.5}$$

I Five people take 12.5 liters of water for each day. So 9 people is a little less than twice that many, so 9 people would need about 23 liters. Then, times 23 by 3 days so the total is 69 liters for the whole trip.

J They can just go to 7-11 and each person buys a 6 pack of bottled water to bring.

Scoring and Annotation Form

Low (1)		
Middle (2)		
High (3)		
		R e a s o n s