Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*(this is an individual Quest. Points earned on this quest will go to individual XP points)*

* *Turning this assignment in and receiving and 38 or above on the* ***first try*** *will give you an automatic 15 extra XP points.*
* *If you are not happy with your score you are allowed to resubmit your assignment as many times as you want to get the highest possible, score that you want- not to exceed 42 Experience Points)*

**Time to Get Clean**

This problem gives you the chance to work with a table of activities and times

Here is a list showing what happens in Megan and Carl’s bathroom every morning.

*1 hour = 60 minutes*

|  |  |  |
| --- | --- | --- |
| *Person* |  | *Time Taken* |
| Megan | Showers, washes and dries hair, brushes teeth  | ½ hour |
| Carl | Showers, brushes teeth | 20 minutes |
| Mom | Takes a bath, brushes teeth | ¾ hour |
| Dad | Showers, shaves, brushes teeth | 50 minutes |
| Grandpa | Showers, shaves | 35 minutes |

1. Who spends the most time in the bathroom?
2. Who spends the shortest time in the bathroom?
3. How long do Dad and Grandpa spend in the bathroom, in all? Show how you figured this out.
4. How much longer does Megan spend in the bathroom than Carl?
5. The first person goes into the bathroom at 6 a.m. and it is in use until everyone has finished getting clean. At what time will the bathroom be free? Show how you figured this out.

Time to Get Clean Rubric

|  |  |  |  |
| --- | --- | --- | --- |
| Elements of performance required by this task are:Work with a table of activities and timesBased on these, credit for specific aspects of performance should be assigned as follows:  | Points | Points per section | Adventure points earned |
| 1. Gives correct answer
 | 1 | 1 |  |
| 1. Gives correct answer
 | 1 | 1 |  |
| 1. Gives correct answer and

Shows correct work | 14 | 5 |  |
| 1. Gives correct answer
 | 1 | 1 |  |
| 1. Gives correct answer and

Shows correct workPartial credit (one error) | 141 | 6 |  |
|  |  |  |  |
| Total points |  | 14 X 3 = 42 Experience Points |  |