Cat Food

This problem gives you the chance to:
• solve numerical problems in a real life situation

Carol has two cats, Rover and Bobo.

1. Rover eats 3/4 of a can of cat food each day and Bobo eats 1/2 of a can of cat food each day. Cat food costs $5.00 for three cans. It is only sold in 3 can packs.

   How much does it cost Carol for a 60-day supply of cat food for her two cats? $___________
   Show your work.

2. Find the cost of cat food for a 29-day supply, a 30-day supply, and a 31-day supply.

   $____________  $____________  $____________

   Show your work.
   29-day

   30-day

   31-day

What do you notice about your answers?

_____________________________________________________________________________
_____________________________________________________________________________
### Cat Food Rubric

The core elements of performance required by this task are:
- solve numerical problems in a real life situation

Based on these, credit for specific aspects of performance should be assigned as follows:

<table>
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<th>Section</th>
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</table>
| 1.      | 2      | Gives correct answer: **$125**  
Shows work such as:  
number of cans = 60  
60 x 1.25 = 75  
\( \text{cost in } \$ = \frac{75}{3} = \$25 \)  
25 x 5 = | 1 |
| 2.      | 3 x 1  | Gives correct answers: **$65, $65, $65**  
and Shows work such as:  
number of cans = 29  
29 x 1.25 = 36.25  
(round to 39)  
\( \text{cost in } \$ = \frac{39}{3} = \$13 \)  
13 x 5 =  
number of cans = 30  
30 x 1.25 = 37.5  
(round to 39)  
\( \text{cost in } \$ = \frac{39}{3} = \$13 \)  
13 x 5 =  
number of cans = 31  
31 x 1.25 = 38.75  
(round to 39)  
\( \text{cost in } \$ = \frac{39}{3} = \$13 \)  
13 x 5 =  
Comments that all these answers are the same because the number of cans needs to be rounded to a number that can be divided by 3.  
Special case  
Does not round, Gets answers $60.42, $62.50, $64.58 | (2) |

**Total Points** 7