Name: _____

Date: _____

Competency 1
To solve a situational problem related to mathematics

Knights of the Tower

Situational Problem

To solve a situational problem					
Evaluation criteria	Observable indicators corresponding to level				
	A	B	C	D	E
Comprehension	40	32	24	16	8
Application	40	32	24	16	8
Explanation Validation	20	16	12	8	4

**Cycle 2 Year 1
Elementary 3**

Knights of the Tower

Hear ye! Hear ye! Oh noble knights of the tower. Prepare your armour; King Richard has an important mission for you.

King Richard has asked you to transport a treasure of 698 gold coins to his castle in Camelot. In order to safely complete this mission without losing any coins, you must perform the following tasks:

Stitching the Saddlebags

- The gold coins will be transported in your horse's two saddlebags.

- You must have "Richard" stitched on both saddlebags.

- It will cost you 5 gold coins to stitch each letter on the saddlebags.
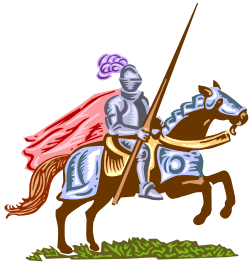 This money can be taken from the king's treasure.

Sorting the Gold Coins

Before leaving, you must divide the remaining gold coins into white and green coin sacks. You must buy the different coloured coin sacks from the seamstress. These coin sacks will cost you a total of 30 gold coins. This money can be taken from the king's treasure.

- The white coin sacks hold 10 gold coins.

- The green coin sacks hold 100 gold coins.

- How many of each coloured coin sacks will you need? Remember to use the least amount as possible.

Making the Coin Sacks

It will take the seamstress 5 minutes to make each coin sack. How long will it take to make the coin sacks? The seamstress is waiting for you to place your order before sewing the coin sacks. Gold coins not sorted into the bags will be given to you as a reward for your service.

Describe what you are asked to do in this situation,
using words, drawings, diagrams, tables, symbols, etc.

MY SOLUTION

Show all the work needed to carry out the task.
Organize your work so it can be easily understood.

Show all the work needed to carry out the task.
Organize your work so it can be easily understood.

Cost of stitching name on saddlebags: _____ **gold coins.**

Number of green coin sacks needed: _____.

Number of white coin sacks needed: _____.

Time required to make coin sacks:

_____ **hour(s)** _____ **minute(s).**

Your reward: _____ **gold coin(s).**