

GRADE SIX – CONTENT STANDARD #2,5

FORMAL ASSESSMENT C

Permission Granted

COVER IT UP

You are the president of a small painting company that is hoping to win the contract to paint the walls of your math classroom, using two coats of paint. Your company has only 2 employees, yourself and your helper. In order to prepare your bid, you need to determine what the paint will cost. Calculate the number of cans of paint that will be needed, and their cost from a store in your area.

1. What else will you include in your bid?
2. What are some reasons that you may not get the job?

You may want to draw a diagram of the classroom. You should show all your work, and present it in a form that is neat and clear to read.

[Source: A Collection of Performance Tasks and Rubrics: Middle School Mathematics, Eye on Education, Larchmont, NY]

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SCORING GUIDE – Cover It Up

| | Level One | Level Two | Level Three | Level Four |
|-----------------------|---|--|---|---|
| Measurement Skills | Many errors in measurement, yielding incorrect calculations of area. | Minor errors in measurement, or minor confusion of units. | Few or no measurement errors, and correct units used. | Efficient system of measurement used, with evidence of thinking ahead. |
| Mathematical Accuracy | Inappropriate operation(s) selected, and/or many errors, leading to wildly erroneous conclusions. | Mixture of appropriate and inappropriate operation(s); some errors, but allowing largely for accurate conclusions. | Appropriate operation(s) selected; virtually no mathematical errors; with accurate conclusions. | In addition, the work shows evidence of advanced planning. |
| Approach | Random and disorganized; no systematic approach. | Some system apparent in the approach; however, it is difficult to follow. | Systematic and organized approach, but not well presented. | Highly systematic and organized approach; neatly and clearly presented. |
| Explanation | Little or no explanation, or impossible to follow. | Explanation attempted, but difficult to understand. | Explanation fairly clear, but thinking process not always easy to follow. | Explanation very clear, and thinking process easy to follow. |

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