

Assignment Record Sheet

Math Core B

Full Name: _____

Week: 10/21-10/25

Unit Name: Covering & Surrounding

Period: 2

Date Assigned	Focus Question??	Homework (IP=in packet)	Meets Expectation (15 points)	Approaching Expectations (5 points)	Below Expectation (0 points)
Monday Oct. 21	<i>What is a strategy for finding the surface area of a 3-dimensional object? Explain why the strategy works.</i>	WU: None CW: Self-Assessment HW: None	WU: CW: HW:		
Tuesday Oct. 22	<i>What is a strategy for finding the surface area of a 3-dimensional object? Explain why the strategy works.</i>	WU: None CW: Unit Test Review Day 1 HW: None	WU: CW: HW:		
Wed. Oct. 23	<i>What is a strategy for finding the surface area of a 3-dimensional object? Explain why the strategy works.</i>	WU: None CW: Unit Test Review Day 2 HW: Study for Test	WU: CW: HW:		
Thursday Oct. 24	<i>What is a strategy for finding the surface area of a 3-dimensional object? Explain why the strategy works.</i>	WU: None CW: Unit Test Day 1 HW: None	WU: CW: HW:		
Friday Oct. 25	<i>What is a strategy for finding the surface area of a 3-dimensional object? Explain why the strategy works.</i>	WU: None CW: Unit Test Day 2 HW: None Turn in your packet	WU: CW: HW:		

Total Homework Score for the Week: _____/75

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Daily Materials Score _____/25

C/w

Name Date 10/21 Class Per. 2

Self Assessment

Mathematical Ideas

After studying the mathematics in this Unit:

1. a. I learned these things about mathematics:

b. Here are page numbers of notebook entries that give evidence of what I have learned, along with descriptions of what each entry shows:

2. a. These are the mathematical ideas that I am still struggling with:

b. This is why I think these ideas are difficult for me:

c. Here are page numbers of notebook entries that give evidence of what I am struggling with, and descriptions of what each entry shows:

Class Participation

I contributed to the classroom **discussion** and understanding of the mathematics in this Unit when I ... (Give examples.)

Self Assessment *(continued)*

Learning Environment

Rate each learning activity listed below using this scale:

1. I consistently struggled to understand the mathematics and I'm still not sure that I understand it.
2. I struggled somewhat but now I understand more than I did.
3. I had to work, but I feel confident that I understand now.
4. I understood everything pretty easily and I feel confident that I know the mathematics in these problems.
5. Everything came easily. I knew most of the mathematics before we did this.

Learning Activities

- ___ Problems from the Investigations
- ___ ACE Homework Assignments
- ___ Mathematical Reflections
- ___ Check Ups
- ___ Partner Quiz
- ___ Looking Back
- ___ Unit Test

Check any of the following that you feel are the most helpful in adding to the success of your learning.

- Working on my own in class
- Discussing a problem with a partner
- Working in a small group of 3 or 4 people
- Discussing a problem as a whole class
- Hearing how other people solved the problem
- Summarizing the mathematics as a class and taking notes
- Completing homework assignments

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Name _____ Date 10/21 Class Per. 2

Notebook Checklist

Place a ✓ next to each item you have completed.

Notebook Organization

___ Problems and Mathematical Reflections are labeled and dated.

___ Work is neat and easy to find and follow.

Vocabulary

___ All words are listed.

___ All words are defined or described.

Assessments

___ Check Up

___ _____

___ Partner Quiz

___ _____

___ Unit Test

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Assignments

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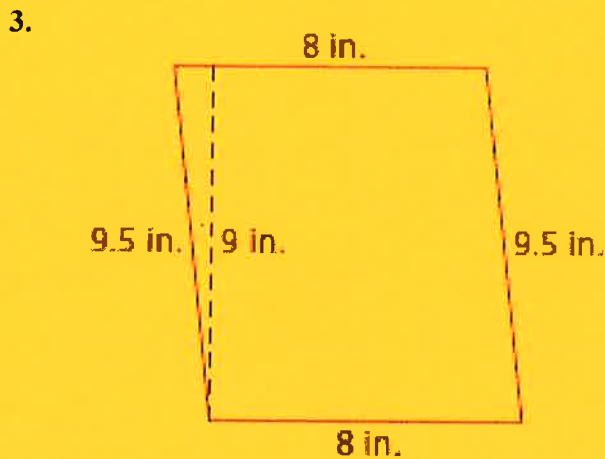
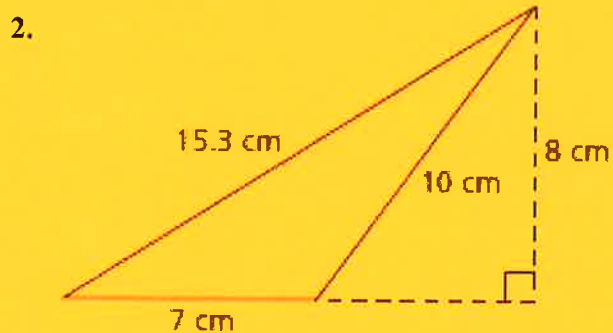
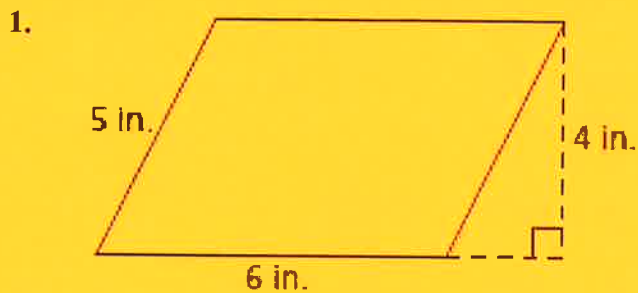
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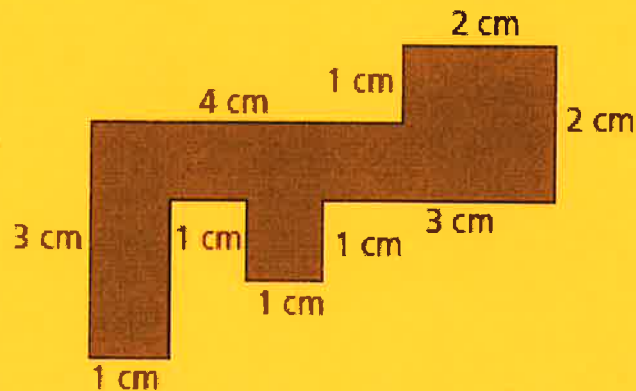
Covering and Surrounding

Unit Test Review

For Exercises 1–4, find the area and perimeter of each figure. Show your work. (Figures are not drawn to scale.)



4. (All angles in this diagram are 90°.)

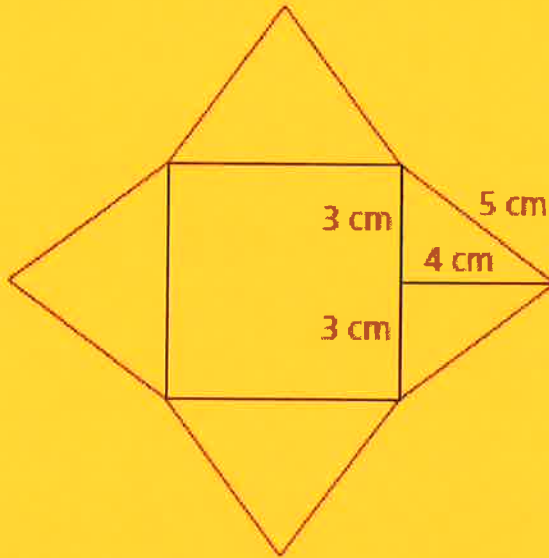


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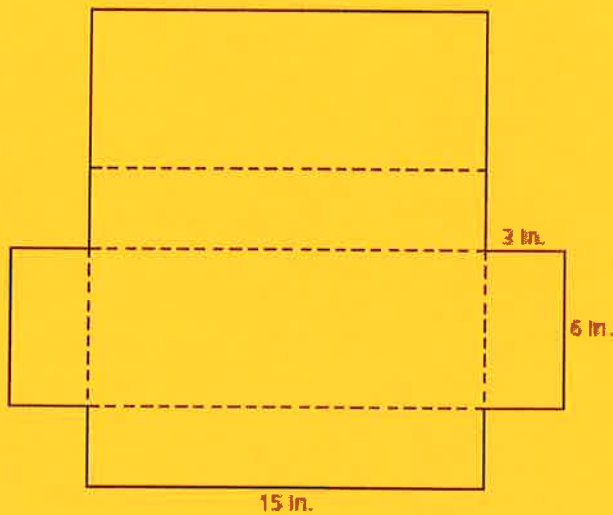
Unit Test Review (continued)

For Exercises 5 and 6, each net folds into a box. Find the surface area of each figure. Show your work. (Figures are not drawn to scale.)

5.



6.



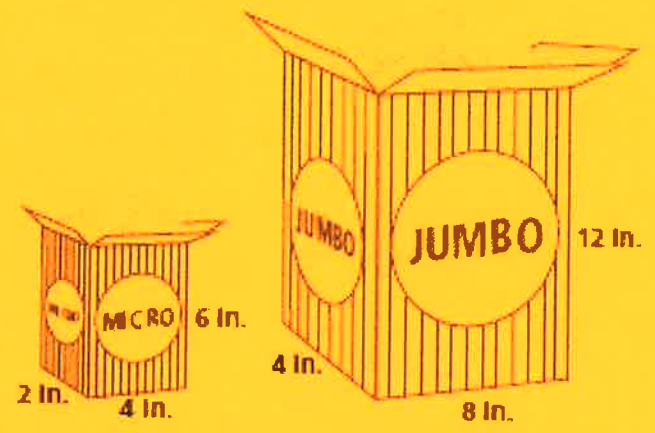
7. Which of the two nets in Exercises 5 and 6 would fold to make a rectangular prism? Explain your reasoning.

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Covering and Surrounding

Unit Test Review (continued)

For Exercises 8–12, the Apple Theater concession sells two sizes of popcorn—a micro box and a jumbo box. Use the information below to answer the questions and remember to show your work.



8. About how many square inches of cardboard are needed to make the micro box? (There is no top on the box.)

9. What is the volume of the micro box?

10. What is the volume of the jumbo box?

11. Suppose the micro box sells for \$.75. What should the price of the jumbo box be if it is based on the amount the box holds? Explain your reasoning.

12. Suppose the theater decides to have a third popcorn size, the super box. They want the super box to have a length of $6\frac{1}{2}$ inches, a width of $6\frac{1}{2}$ inches, and a height of 11 inches. Which of the three boxes is the largest? Explain your reasoning.