Literature Vocabulary

savanna habitat weather lightning burrows shrubs

Math Vocabulary

factors products multiplication division fact family area model array model

TV Materials:

- Student "Area Squares" BLM from Lesson 2
- 60 base ten units per student
- Metric ruler 1 per student
- **BLM** cm Graph Paper

Time Clue BB = 1 minutes CI = 26 minutes AC = 1 minute

ELPS (English Language Proficiency Standards) 1D, 1G, 2D, 2I, 3C, 3E, 3I

CCRS (College and Career Readiness Standards) Math I.B.1; I.D.1; VIII.A.1,2,3,4,5; I.B.2; IX.A.1,2,3; IA.B.1,2; IX.C.1; X.A.1; Cross-Disciplinary I.C.1,2,3; I.D.1,2,3,4; I.E.1,2

Classroom Teachers

Please circulate the room to see that students are not having difficulty following directions.

Unit 2, Lesson 3



TV Lesson

Read objectives while pointing to the words in the math lesson objectives. After each math objective, show children what that means.

Math Objectives:

- Model factors and products using area and array models.
- Represent multiplication and division situations in picture, word, and number form.
- Use patterns and relationships to develop strategies to remember basic multiplication and division facts, such as fact families.

Language Objectives:

- Use the math vocabulary during the activity.
- Discuss solution strategies.

Building Background, Math

Let's take a look at our word wall to see which of our math vocabulary we have already seen demonstrated in the lessons. Boys and girls, tell your teacher which words we have already used in our lessons. (*Give them time: all but division.*)

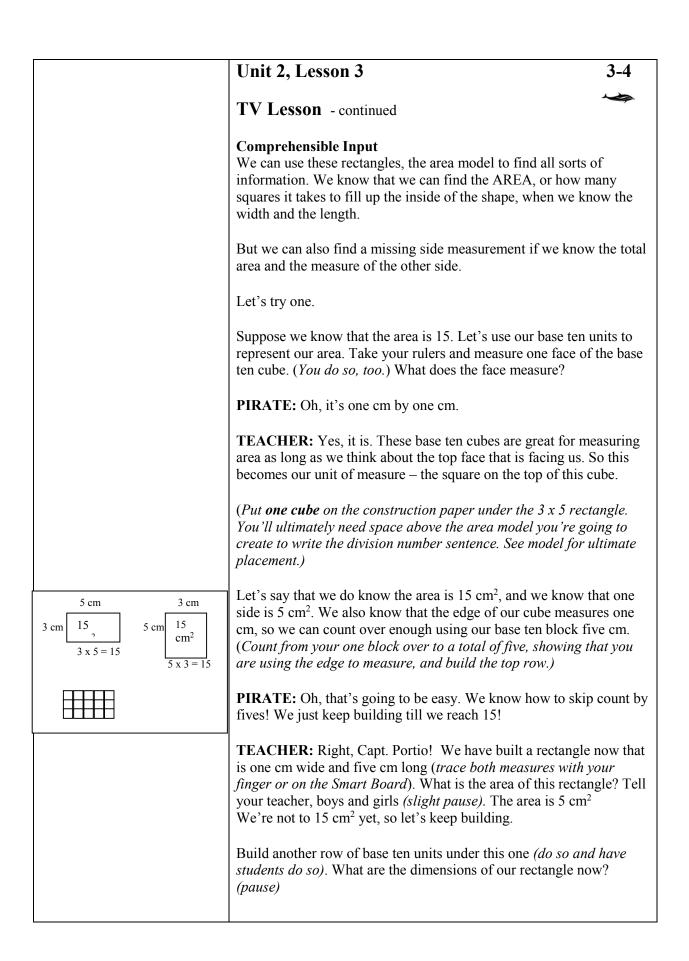
Well, that just leaves one vocabulary word for us: division. And we are going to work with division today.

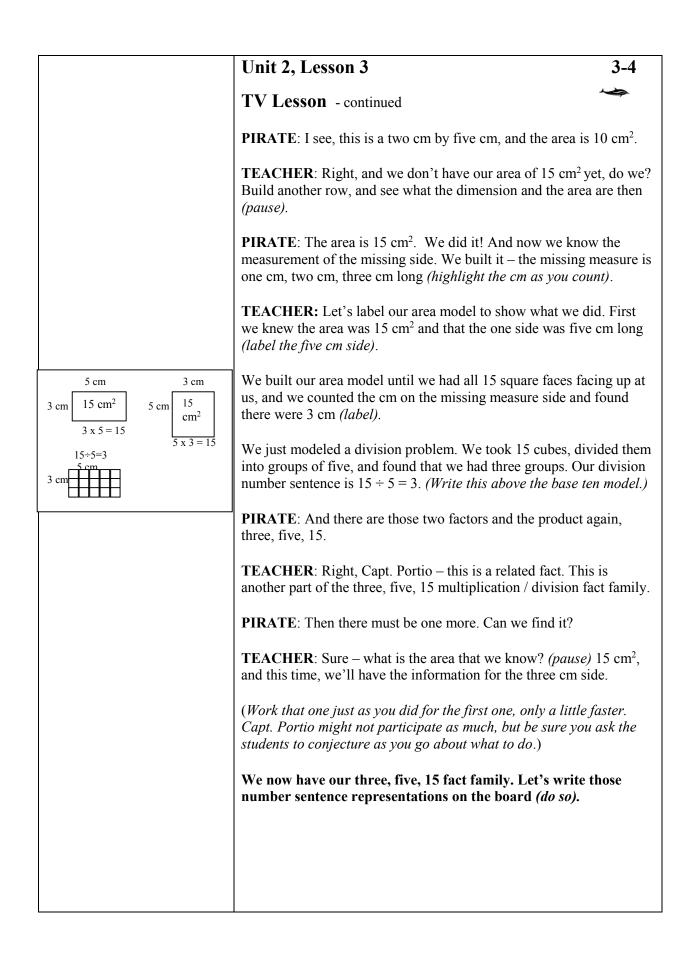
In Lesson 2 you used the area model to find the product of the number of rows in the rectangle times the number of columns in the rectangle. Let's take a look at the area poster that we did together -3 cm by 5 cm.

(Remind students of the two rectangle dimensions, and of the multiplication number sentence that represents each.) And we wrote on our record sheet that the factor, factor, product of each of these rectangles is 3, 5, 15.

PIRATE: Yes, because the rectangles didn't change size. You just turned, or rotated the second one so it was tall and skinny instead of short and fat.

TEACHER: Just as these two rectangles are related, so are the number sentences. They are part of a family, a **fact family**, and we're going to find two more members of that family today.





SMART BOARD	Unit 2, Lesson 3	3-4						
Classroom Teachers: Your follow-up task is to	TV Lesson - continued	~						
complete the assignment. Students will need their other three area posters from Lesson 2.	During your follow-up lesson, you will find the division representations for the factor, factor, product fact family on the rest of your area posters.							
Arthimus Portio's Corner	Practice this really well, boys and girls, because we are got similar method very soon with base ten blocks to multiply 2-digit numbers by 2-digit numbers!							
Lesson 3 - Measurement You used an area model and an array model today in your measurement lab. Probably you	PIRATE: (One of your "punny" remarks and explain the task.)							
talked about the way the two strategies are alike and different. Share your thoughts with us.	Objectives: And now before we go, let's review what we have learned today! <i>(do so)</i>							

1 cm Graph Paper

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