Eureka Math

Kindergarten Module 6 Lesson 6

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Directions for customizing presentations are available on the next slide.



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Reflecting your Teaching Style and Learning Needs of Your Students

- > When the Google Slides presentation is opened, it will look like Screen A.
- > Click on the "pop-out" button in the upper right hand corner to change the view.
- \succ The view now looks like Screen B.
- ➤ Within Google Slides (not Chrome), choose FILE.
- ➤ Choose MAKE A COPY and rename your presentation.
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- ➤ It is now editable & housed in MY DRIVE.



Icons





Read, Draw, Write











Manipulatives Needed







Lesson 6

Objective: Decompose flat shapes into two or more shapes.

Suggested Lesson Structure

Fluency Practice
Application Problem
Concept Development
Student Debrief

Total Time

(12 minutes)(5 minutes)(25 minutes)(8 minutes)(50 minutes)





Materials Needed

Teacher



Materials Needed

Student

- 2 copies of the Make 10 Sprint
- Scissors
- shape sheet (Template)
- pattern blocks
- I can make new shapes recording sheet (Lesson 5 Template)



Decompose flat shapes into two or more shapes.



Fluency Practice (13 minutes) Sprint: Core Fluency (4 minutes)

It's time for a Sprint!

(Briefly recall previous Sprint

preparation activities, and distribute

Sprints facedown.)

Take out your pencil and one crayon,

any color.



Write the number of dots needed to make 10 dots. 9. 10 11. 3. 4 12. 5 13 14 6. 7. 15. 16. 8.

Application Problem (5 minutes)

You are going to be a detective today!

First, look around the classroom to see if you can find things made of more than one shape, like we did yesterday.

Second, draw one thing on your personal white board.

Third, use your marker to draw the shapes inside.

Application Problem (5 minutes)

Turn and talk to your partner about the hidden shapes that you found!

What do you see on your paper?

Cut out your shapes, and talk about them with your friends. Do not cut on the dotted line. (Allow time for activity and discussion.)

Hold up your gray square. Hold up your white triangle. Put your white triangle on your gray square, making two of the sides match. What do you notice?

Yes! You made your square into two triangles. Find your gray rectangle and your white square. What happens if we cover as much as we can of the gray rectangle with the square?



- You found more shapes inside your rectangle, didn't you? Hold up your white and gray triangles.
- Put them together. What shapes can you make with them?
- Fold your gray triangle on the dotted line. What do you notice?

- Now, look at your white rectangle with the dotted line. Fold it on the dotted line.
- Is there another way you could fold it?

- Now, take your large gray square, and fold it on the dotted line. What shapes do you see?
- You found a lot of little shapes inside other ones. What does this make you think of?

Excellent thinking. Just like we can break our numbers into smaller parts, we can make smaller shapes out of bigger shapes, too.

Yesterday, you made some wonderful new shapes on your recording sheet. Today, you are going to trade sheets with your partner to see if you can use pattern blocks to fill in the new shapes that she made. If you need help, ask your partner! You can take turns being the teacher! (Allow time for partner work and discussion.)



Problem Set

10 min



Lesson 6 Problem Set K•6 Name_____ Date Trace to show 2 ways to make each shape. How many shapes did you use? I used <u>3</u> shapes. I used _____ shapes. I used _____ shapes. I used _____ shapes.

I used _____ shapes.

I used _____ shapes.



Debrief (13 minutes)

Lesson Objective:

Decompose flat shapes into two or more shapes.



Debrief

(7 minutes)

- Howdidyoudecidewhichpatternblocksyou needed to fill in the shapes in the Problem Set?
- Did you and your neighbor use the same blocks?
- Do you think there are shapes hiding inside your pattern blocks, too? Give me an example. How can you use this to help you find more than one way to fill in the big shapes?
- How is finding hidden shapes inside other shapes like what we did yesterday? (In the previous lesson, students put shapes together to make new shapes.)
- How is finding hidden shapes inside a bigger shape like finding hidden numbers inside a bigger number?
- Can you think of something at home that is made out of more than one shape and tell us about it?



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(3 minutes)

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Name	Date
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Draw 2 shapes that can be used to build the rectangle.



Draw 2 shapes that can be used to build the house.

