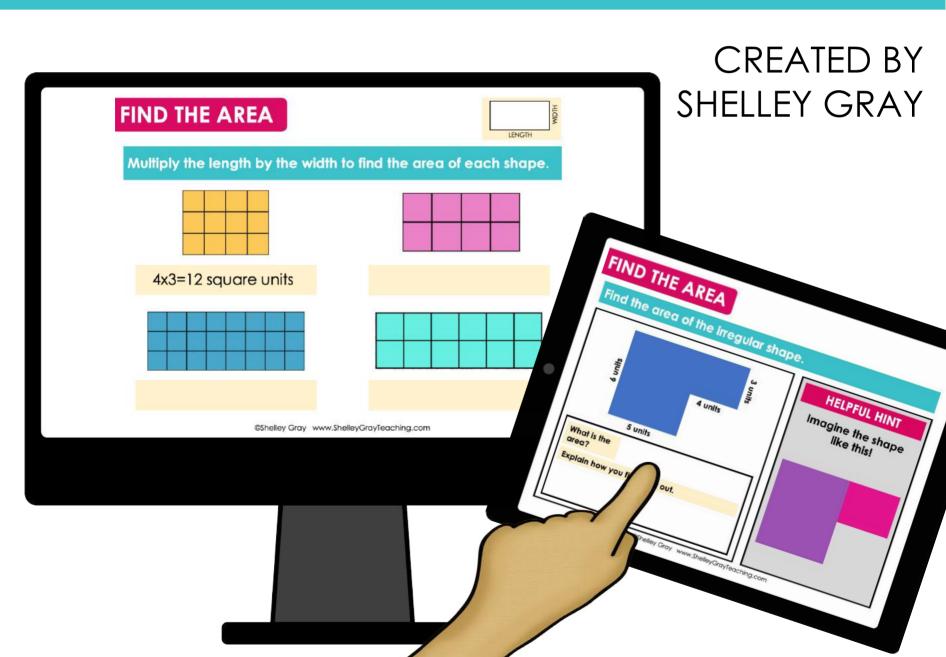
# DIGITAL: AREA AND PERIMETER

A PROGRESSION FOR GRADES 3-5 STUDENTS



# about This Resource

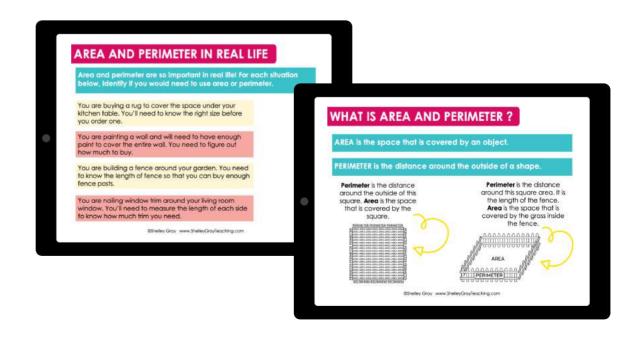
This digital area and perimeter resource is in Google Slides™ format, making it compatible with Google Classroom™. This resource is only intended for digital learning; there is no PDF document included.

There are **over 125 student slides** included in this resource. They cover area and perimeter skills that are generally taught in 3<sup>rd</sup> to 5<sup>th</sup> grade. This resource includes a progression of these skills, beginning with counting "units" and progressing along to multiplying side lengths and working with simple irregular shapes. This resource is designed to give students an excellent understanding of area and perimeter.

Slides are divided into the following sections:

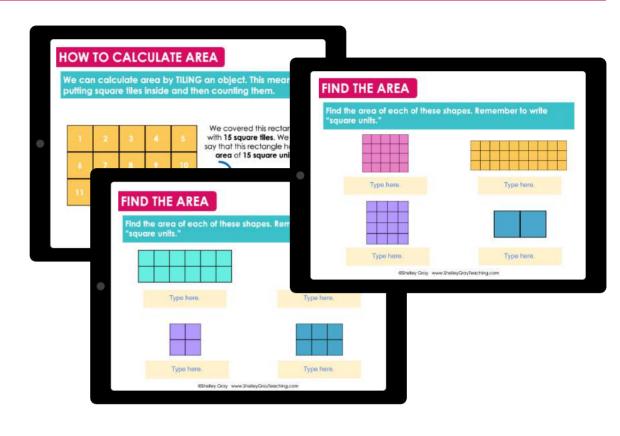
#### INTRODUCTION TO AREA AND PERIMETER

Explanations and comparing area to perimeter (2 slides)

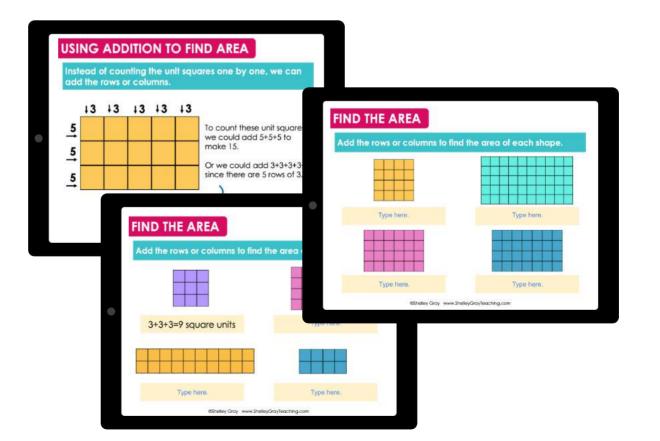


## **BEGINNING AREA CONCEPTS**

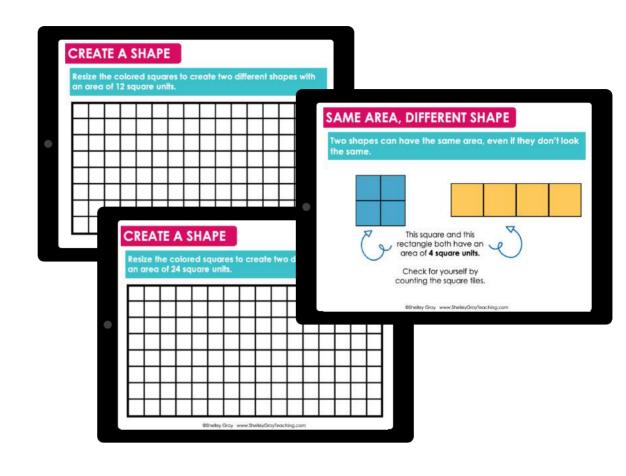
Counting square units to calculate area (4 slides)



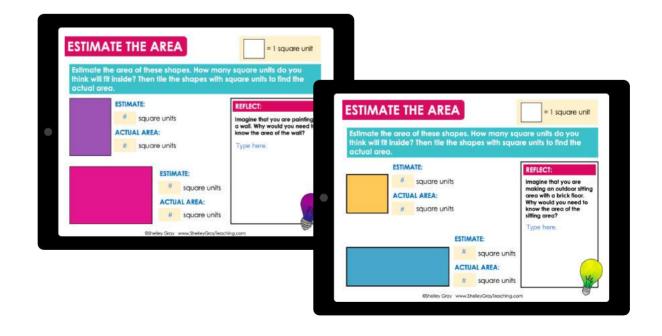
Adding rows or columns to find area (3 slides)



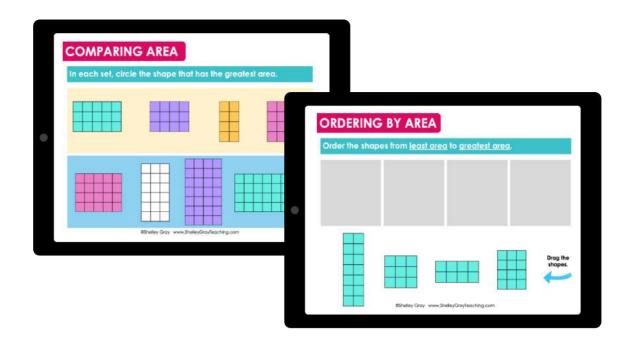
Creating different shapes with the same area (5 slides)



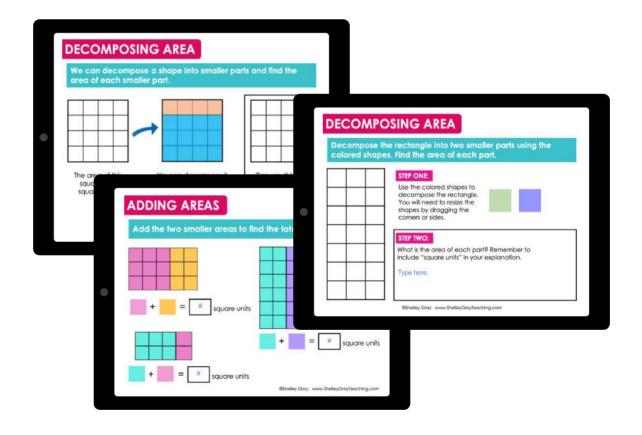
Estimate area and use tiling to find the actual (2 slides)



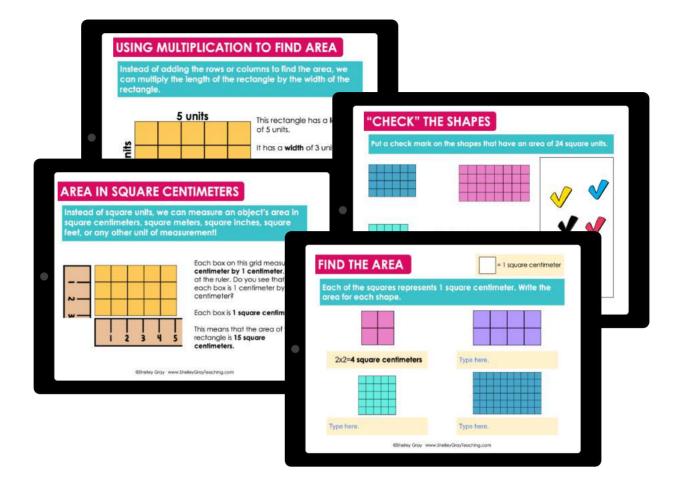
Comparing and ordering areas (4 slides)



Adding and decomposing area (5 slides)

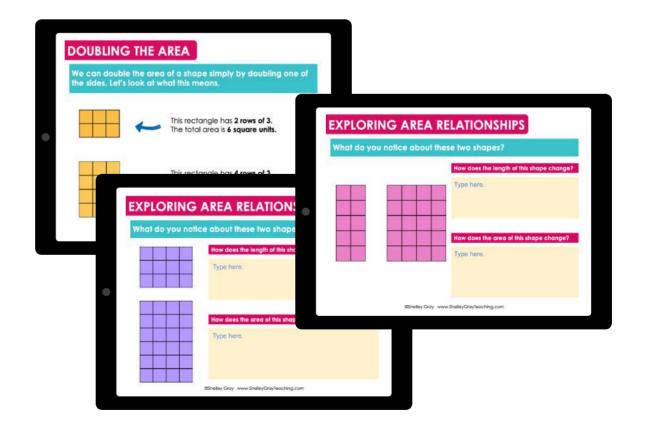


Using multiplication to find area (8 slides)

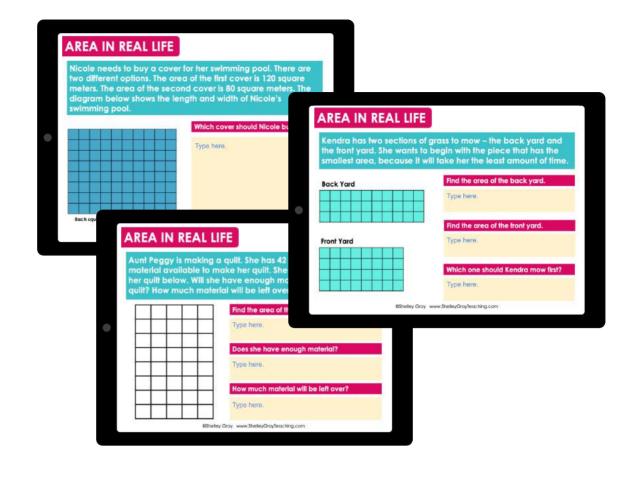


Area relationships

– the effect of
doubling a side
(3 slides)

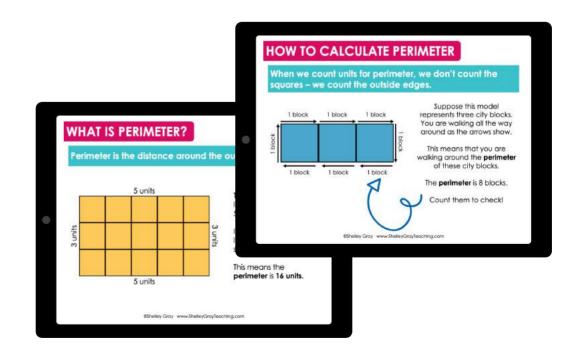


Area in real life (problem-solving) (3 slides)

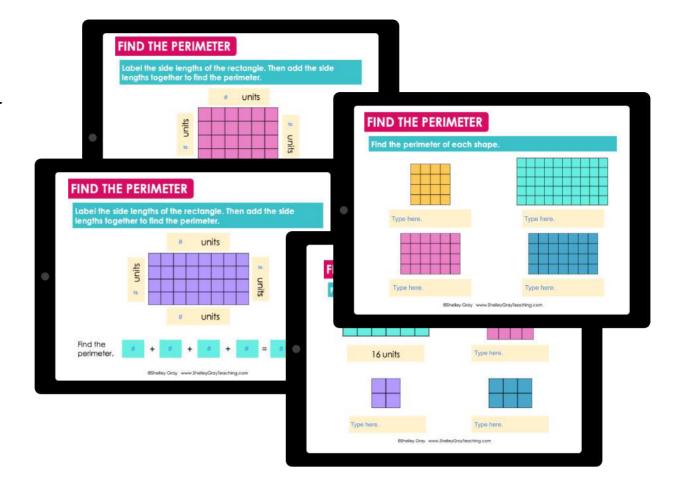


#### **BEGINNING PERIMETER CONCEPTS**

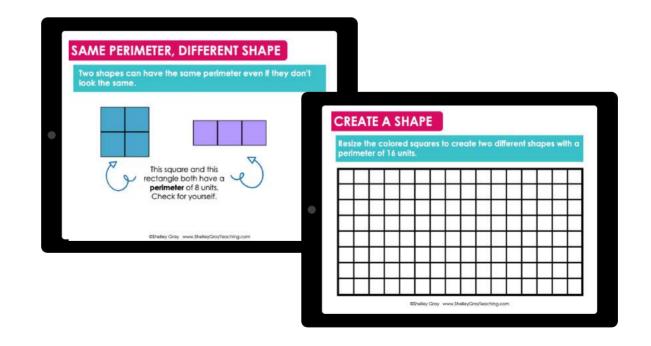
What is perimeter and how to calculate it (2 slides)



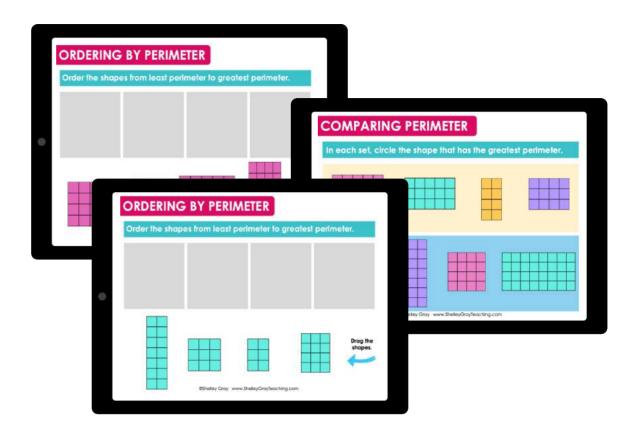
Finding perimeter by counting units (6 slides)



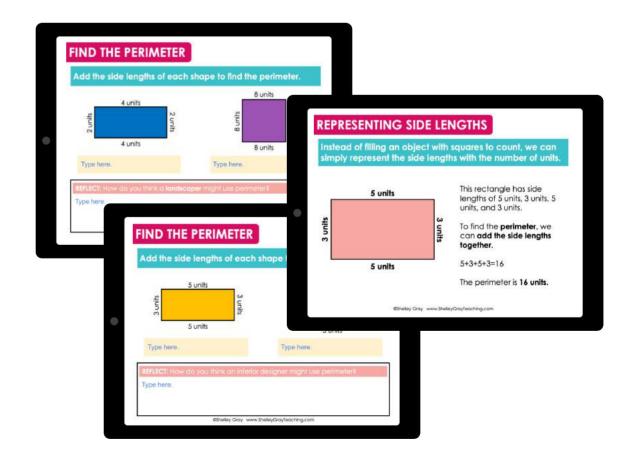
Different shapes with the same perimeter (2 slides)



Comparing and ordering perimeter (4 slides)



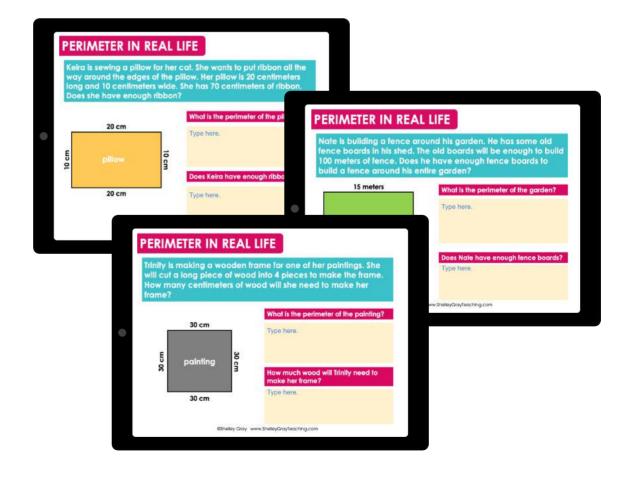
Adding side lengths to find perimeter (4 slides)



Finding missing side lengths using attributes of rectangles and squares (5 slides)

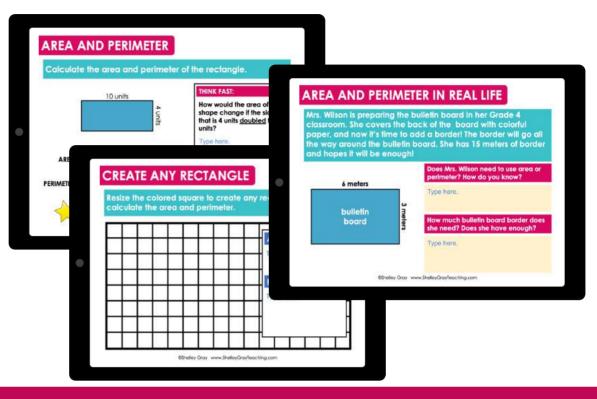


Perimeter in real life (problem solving) (3 slides)



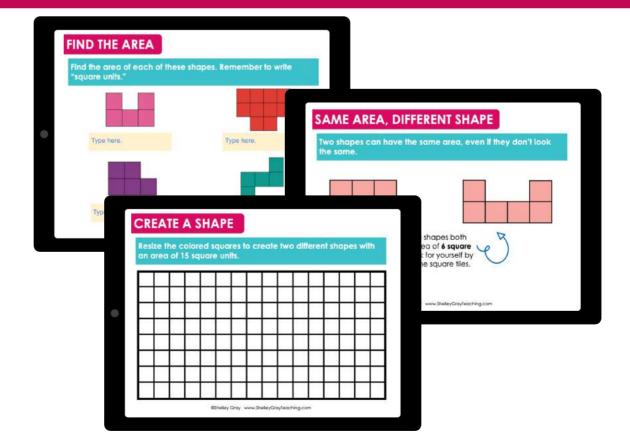
## **INTEGRATING AREA AND PERIMETER**

Incorporating both area and perimeter to create shapes and solve problems. (10 slides)

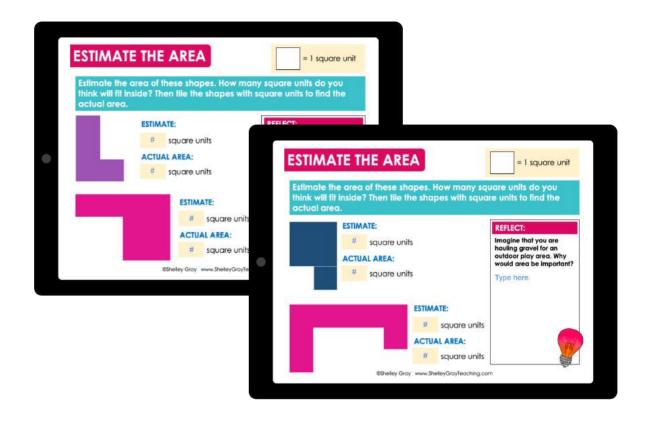


#### MORE ADVANCED AREA CONCEPTS

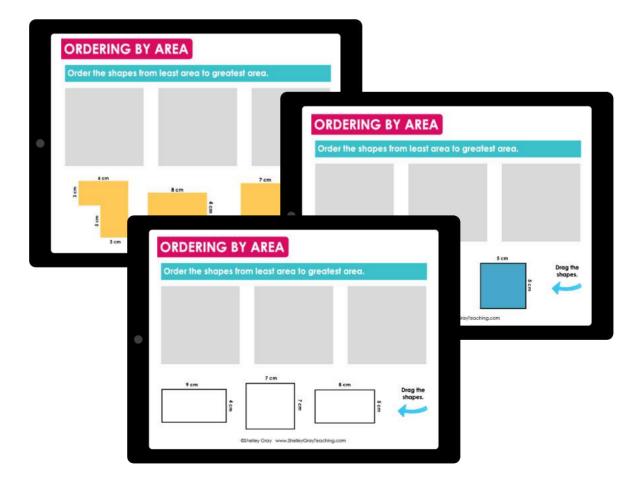
Irregular shapes: find area and create shapes with the same area that look different (5 slides)



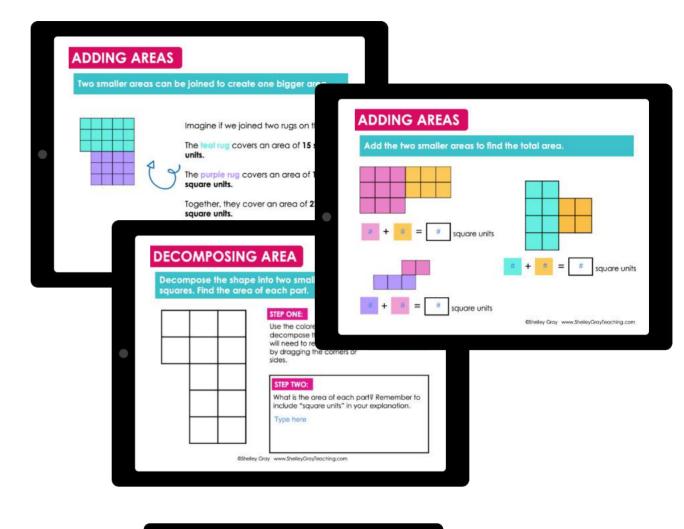
Estimate area of irregular shapes and then use tiling to check (2 slides)



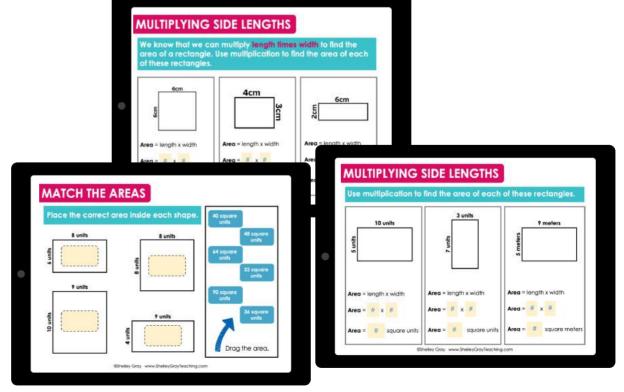
Ordering (3 slides)



Adding and decomposing areas for irregular shapes (6 slides)



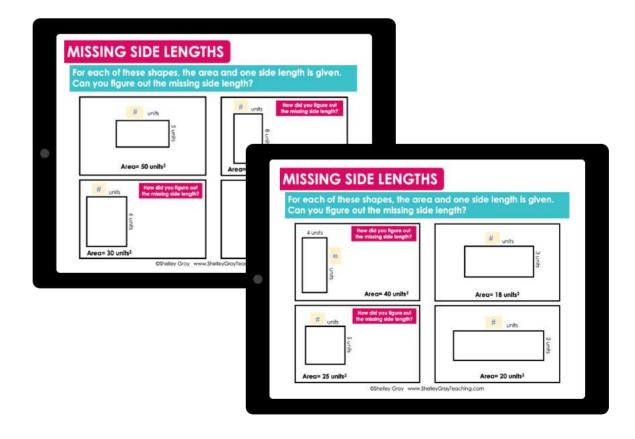
Multiplying side lengths to find area (4 slides)



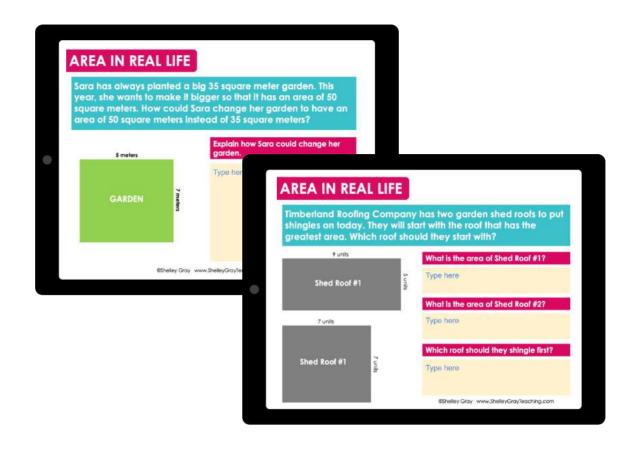
Finding area of irregular shapes (5 slides)



Finding missing side lengths given the area (2 slides)

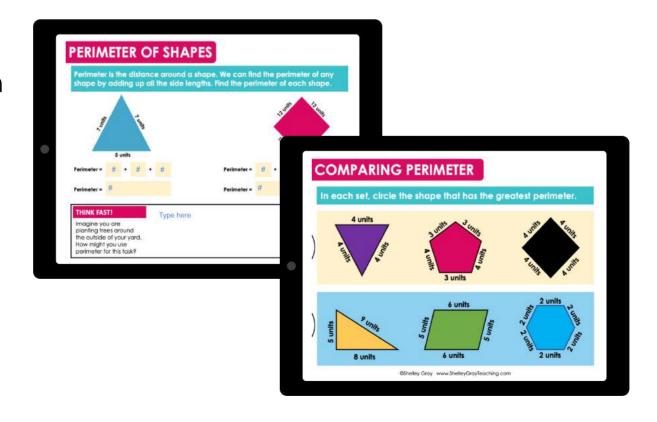


Area in real life (problem solving) (3 slides)



#### MORE ADVANCED PERIMETER CONCEPTS

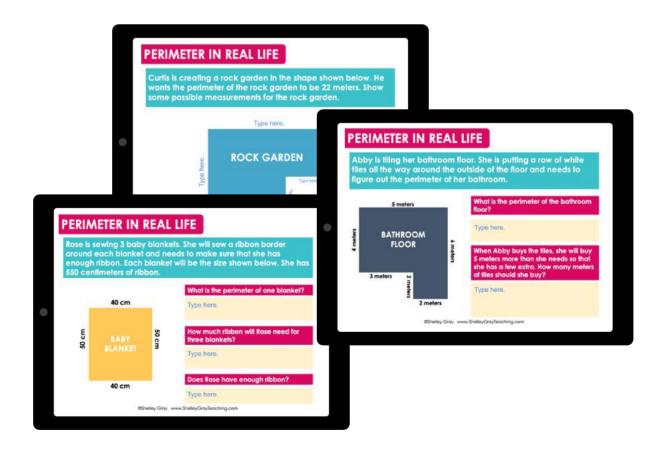
Perimeter of shapes other than rectangles – finding perimeter, comparing, ordering (6 slides)



Finding missing side lengths and calculating perimeter (5 slides)



Perimeter in real life (problem solving) (3 slides)

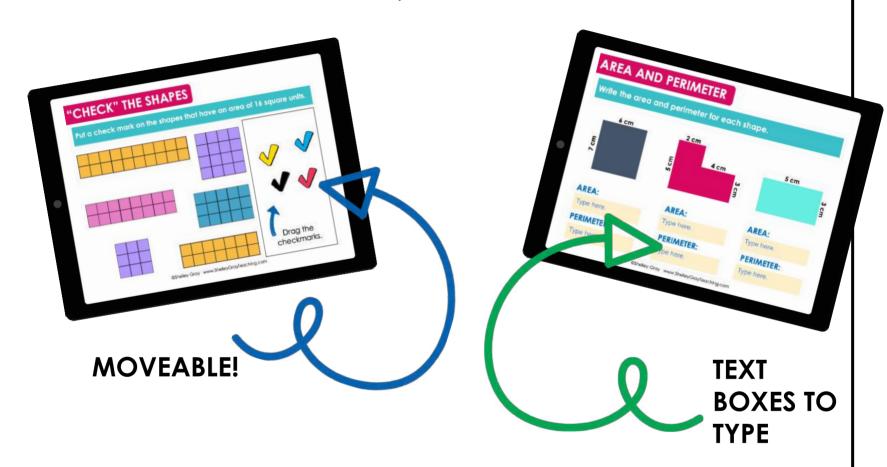


#### **INCORPORATING AREA AND PERIMETER**

Incorporating both area and perimeter to create shapes and solve problems. (10 slides)



The digital nature of this resource means that students will be moving objects around the slide and typing directly on the slides to complete some activities.



MORE QUESTIONS ABOUT DIGITAL LEARNING? CHECK OUT THESE INFORMATIVE STEP BY STEP BLOG POSTS FOR ASSIGNING SLIDES AND CREATING ASSIGNMENTS.

https://shelleygrayteaching.com/google-slides-how-to-assign-only-a-few-slides-at-a-time/

https://shelleygrayteaching.com/how-to-create-an-assignment-with-google-classroom/