

## Description of Slides

Slides 1-3: On each slide, students sort 12 cards into three matching groups of four cards each. There are 36 unique card images in all.

Slides 4-9: Students view five cards and choose one card that matches a sixth card. The images are the same as on earlier slides.

Slides 10-15: Students view six cards and choose two cards that match each other. These are more challenging than Slides 4-9.

Slides are independent, so assign as many as you want.

## HOW TO USE

- Distance Learning. The onscreen cards are an alternative to printable math cards. (See the related resource with the same title and goal code, 3M44.)
- PowerPoint. Students can sort and match various card images on the screen. See the file 3M44_Matching_15p.ppt. A second PPT file has the cards already matched. See the file 3M44_Matching_Ans_15p.ppt. A printable answer key for reference is also available in this PDF.
- Google Slides. Open your Google Drive, choose NEW and upload the PPT files. These are compatible with Slides files and can be assigned to students. Save your original PowerPoint files in case you need to restore them.
- Recording Sheet. When students finish the onscreen matching activity, you may want to assign a recording sheet. See the included sheet with an answer key.
- Follow-Up Games. The printable cards, available separately, can be used to play four fun, engaging games. These are great for a tutor, parent, or aide to play with one student or with a small group. Multiple variations provide review throughout the year.


## About the Author \& Illustrator

Angie Seltzer is a mathematics curriculum specialist who designs and develops time-saving products for teachers. She holds a master's degree in mathematics education from The Ohio State University.

Angie has more than 30 years of professional publishing experience as an editor, writer, and/or designer of math textbooks and supplements including assessments. She also has more than 10 years of math tutoring experience.

Digital Matching: Same Perimeter, Different Area 3M44 (Published 02/14/2021)
Copyright © K8MathSense, Dayton, Ohio. Written and Illustrated by Angie Seltzer. All Rights Reserved. The original purchaser has permission to print pages or post digital versions of this document for use in only one home or by one class of students. Further distribution of any portion of the printed or electronic document or electronic posting of the file on any storage or retrieval system is prohibited without written permission from the publisher.

## About Card Set 3M44

## Mathematics Content

These cards provide practice in counting or adding to find the perimeter of a shape composed of square units.

- The "star" cards show perimeters as even numbers from 10 through 26. These are the same perimeters used in the card set "Understanding Perimeter." However, in this set, there are three shapes with each perimeter.
- The three other suits (squares, triangles, and circles) show shapes made from shaded squares to match the star cards. Each card has " $\mathrm{P}=$ " with a question mark in a box to remind students to match the perimeter rather than the shaded area.

The two recording sheets require students to record the perimeter and the area of each shape.

## Meaning of Set Code 3M44

The code stands for Grade 4, Measurement, Cluster 4, Goal 4 in the Grade 3 goals checklist by Angie Seltzer.

## Making Generalizations

As students use the cards, encourage them tolook for and discuss patterns and generalizations.

- Two shapes with the same perimeter can have different areas.
- Removing a rectangle from the corner of a varger rectangle changes the area but not the perimeter.


Same Derimeter, Different Area
Name $\qquad$ Date $\qquad$
Instructions: Label the side lengths of each shape. Then find the perimeter and area.


Same Derimeter, Different Area
Name $\qquad$ Date $\qquad$
Instructions: Label the side lengths of each shape. Then find the perimeter and area.


Same Derimeter, Different Area
Instructions: Label the side lengths of each shape. Then find the perimeter and area.


Same Perimeter, Different Area
Instructions: Label the side lengths of each shape. Then find the perimeter and area.



Thank you for downloading a printable K8 Math Sense (K8MS) resource and/or the related digital files! Your purchase gives you the right to use the resources in certain ways, but the copyright ownership is not transferred to you. Resources may occasionally be offered by K8MS as freebies, and the same terms of use apply to both purchased and free resources.


- Copy the digital file to your computer or digital devices for personal use as an educator.
- Make photocopies for students in your classroom, for your own children, and for students you tutor.
- Post printable resources within your classroom or tutoring space.
- Transfer digital resources to the folders for your students as long as access is limited to those students only
- Share a cover infage for a resource in blog posts, at workshops, or at other professional development venues provided credit is given along with appropriate links back to the resource. Provide links to www.k8mathsense.com or to the K8 Math Sense store at an online marketplace that is legally distributing K8 Math Sense resources.
- Refer teachers, parents, or other people to the K8 Math Sense store to obtain the resources legally.


## What a purchaser is NOT allowed to do...

- Claim ownership or authorship of K8 Math Sense resources.
- Remove the copyright line from printed resources.
- Share or exchange any portion of the digital or printed files with other teachers, with parents, or with stydents who are not in the purchaser's class.
- Resell you K8 Math Sense purchase or offer it as a giveaway.
- Post the digitalfiles on any non-secure website anywhere on the internet including, but not limited to, sharing sites, news lists, or shared databases.

Thank you for respecting copyright laws and the hard work of authors. Please abide by the Terms of Use. If you have questions, please direct them to angieseltzer@gmail.com. Thanks again for choosing a K8 Math Sense resource.
Angie Seltzer

