

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.

Angle 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)

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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 "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 to look for and discuss patterns and generalizations.

- Two shapes with the same perimeter can have different areas.
- Removing a rectangle from the corner of a larger rectangle changes the area but not the perimeter.
- The perimeter of a rectangle made with whole squares is an even number, but the area can be either even or odd.

P=

Circles

P = Juni

P = ? units

P = ? units

The same 36 cards shown on the digital slides are available separately as a set of printable cards with game instructions.



Stars

units

encounter and a second

lares

P = 🔃 units

P = 🕜 units

P = 🖉 units



units

P = 🕐 units

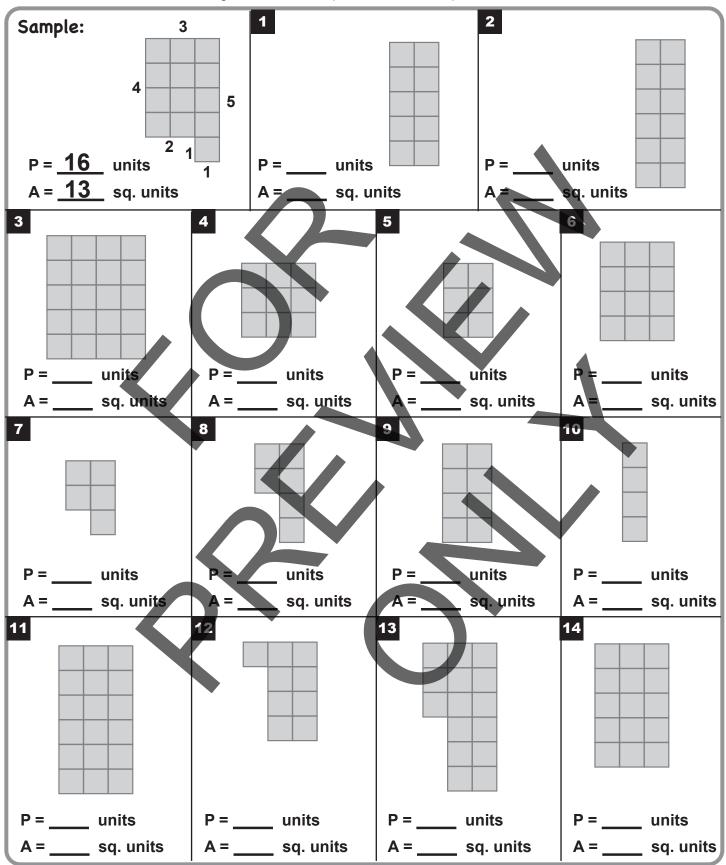
Card Set 3M44 © K8MathSense. All Rights Reserved.

P = Junits

Name

Instructions: Label the side lengths of each shape. Then find the perimeter and area.

Date



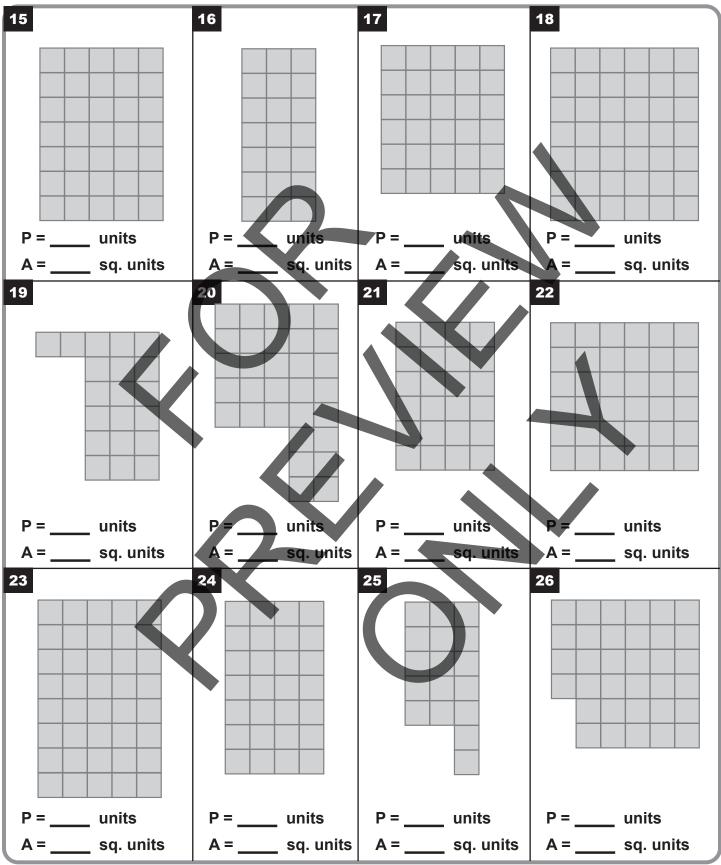
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Set 3M44

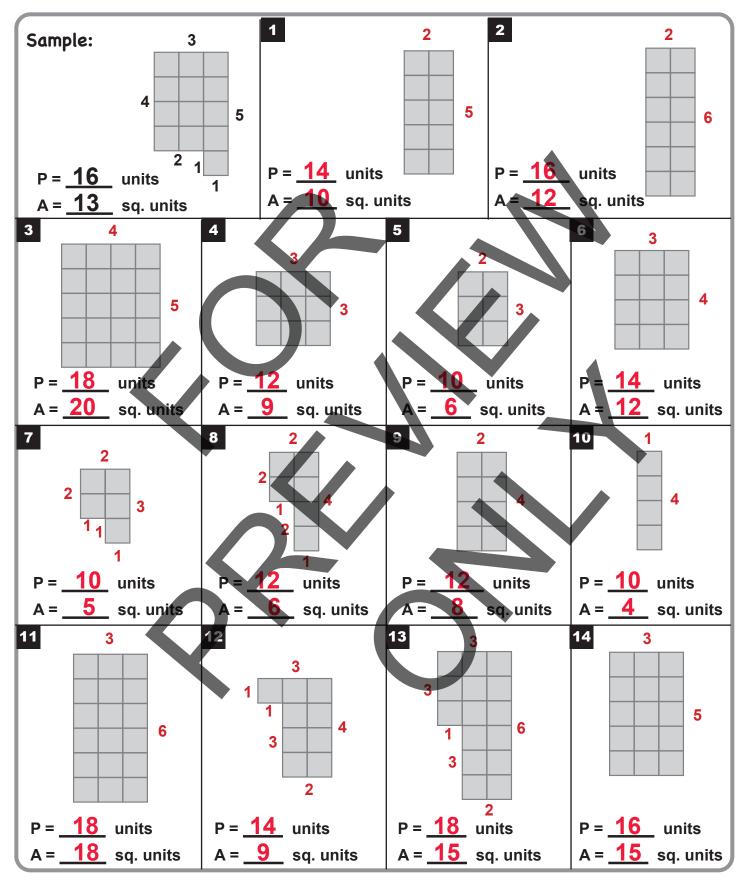
Name___

Date

Instructions: Label the side lengths of each shape. Then find the perimeter and area.



Instructions: Label the side lengths of each shape. Then find the perimeter and area.

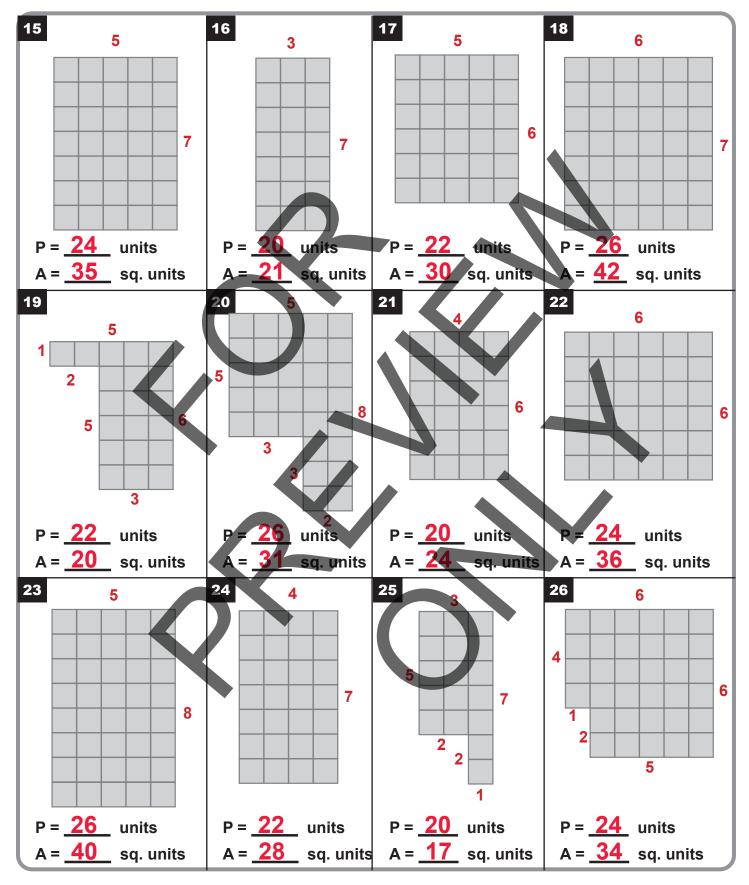


Set 3M44 ANSWER KEY

Instructions: Label the side lengths of each shape. Then find the perimeter and area.

Set 3M44

ANSWER KEY





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