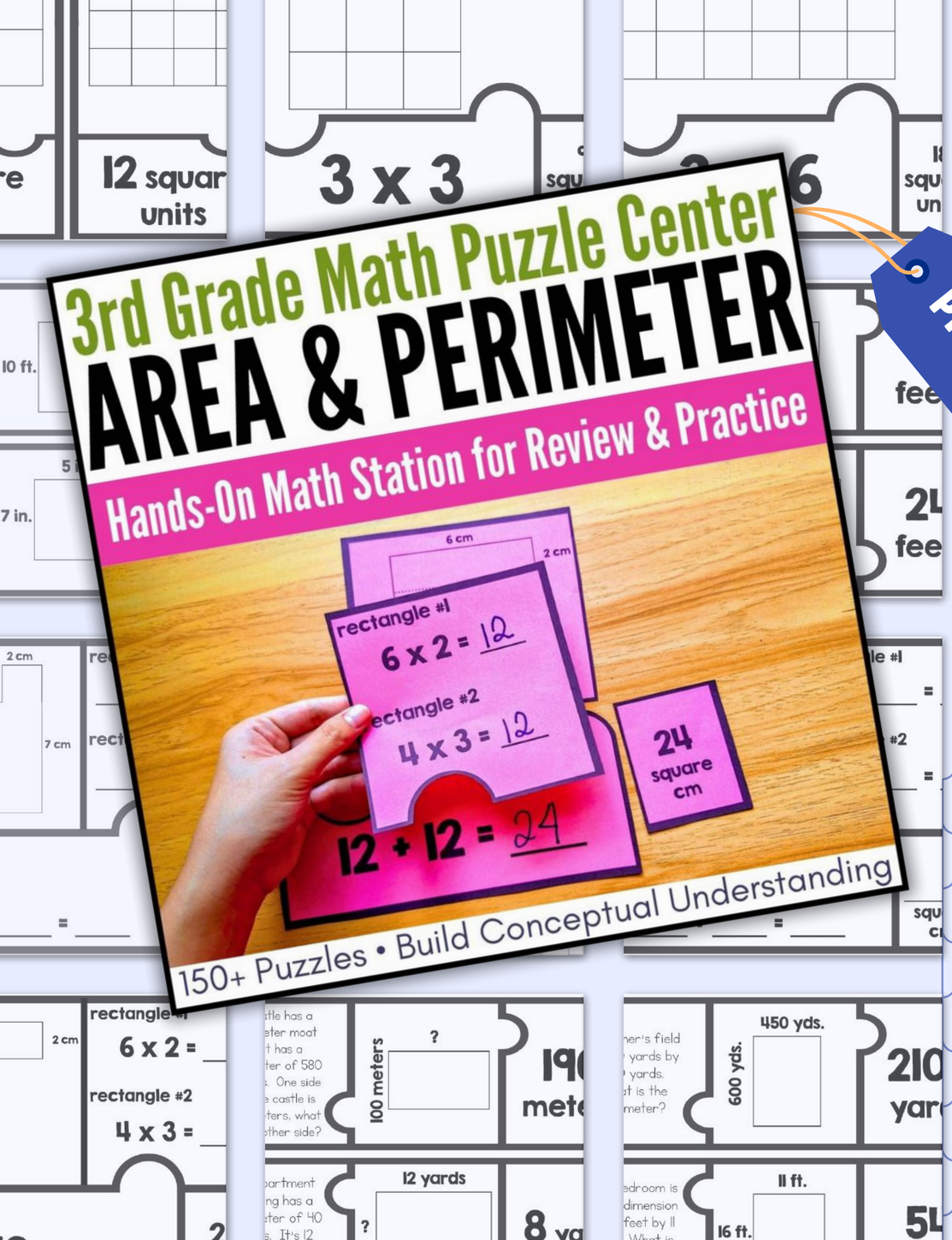


GRADE LEVEL 3RD

Number PUZZLES

AREA & PERIMETER

Activities Number Puzzles Hands-on Math Centers Unit Squares

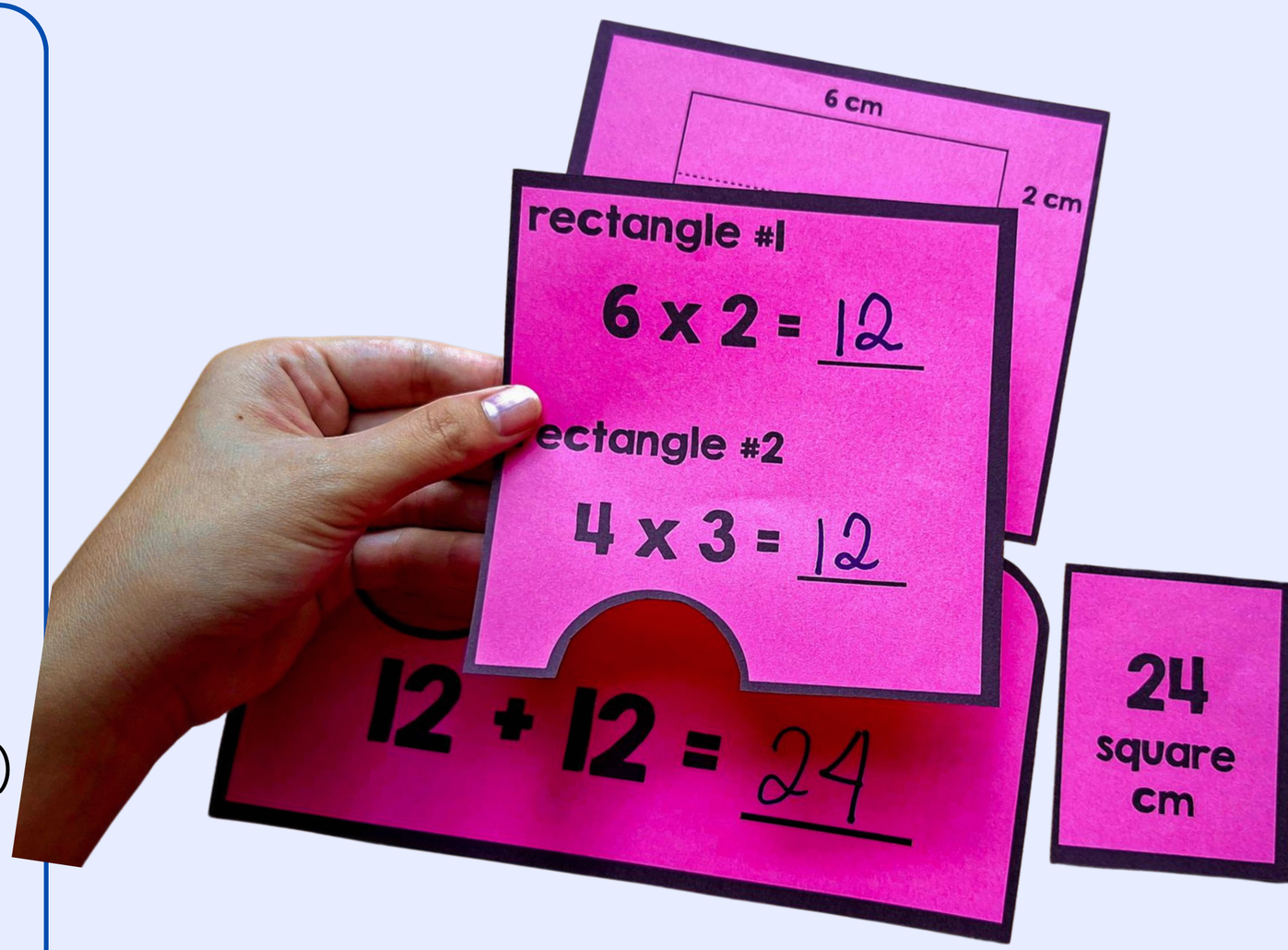
KEEP SCROLLING TO SEE WHAT'S INSIDE!

WHAT'S INCLUDED?

150 differentiated number puzzles

✓ Included Puzzle Types:

- Count the Unit Squares (30 puzzles)
- Tile & Multiply (30 puzzles)
- Real-World Area Problems (20 puzzles)
- Distributive Property with Area (20 puzzles)
- Area as Additive:
  - Without identified rectangles (20 puzzles)
  - With expressions and labeled rectangles (20 puzzles)
- Total Perimeter Word Problems (20 puzzles)
- Perimeter with Unknown Side Word Problems (20 puzzles)

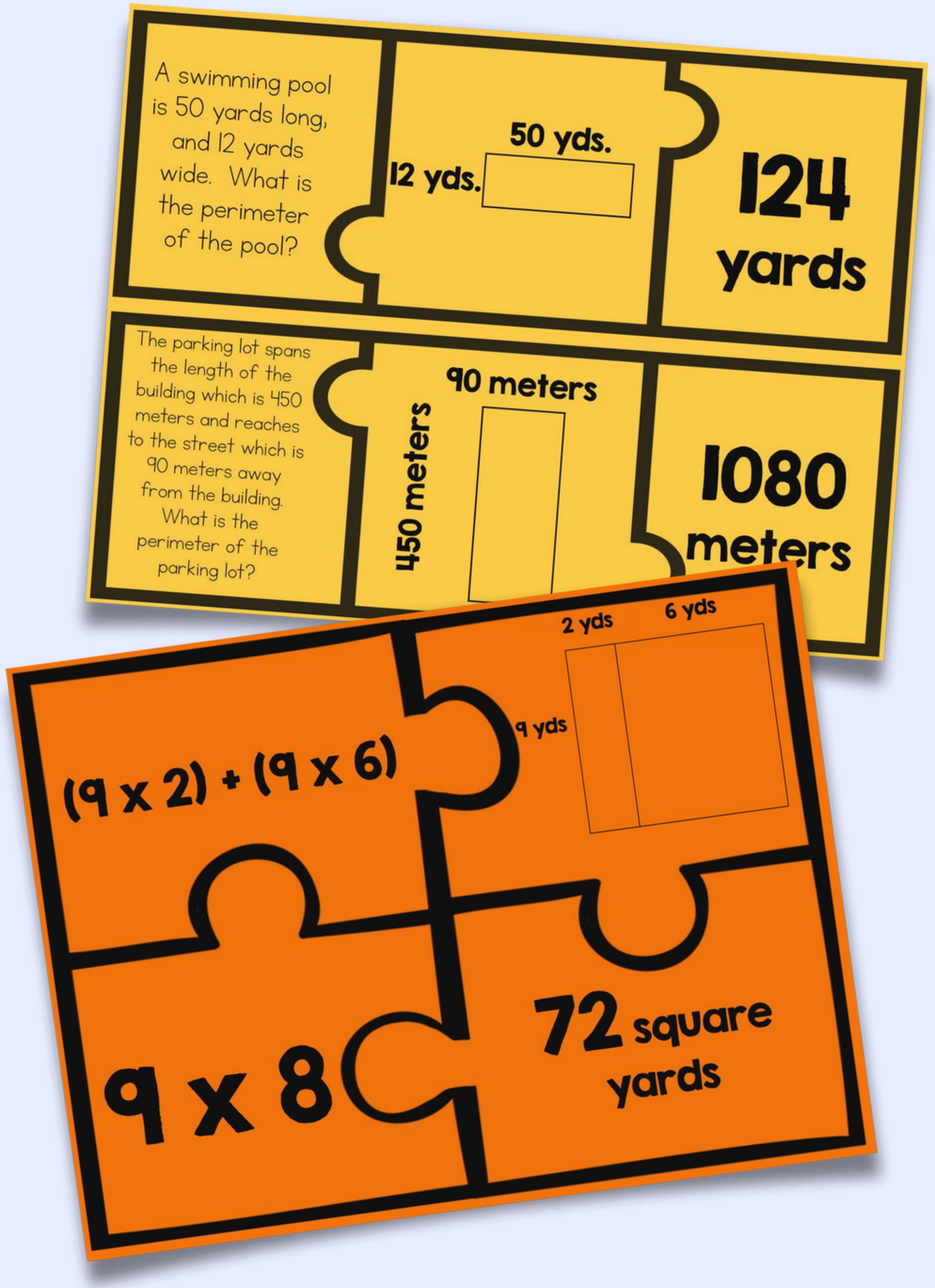


ACTIVITY OVERVIEW

These Area and Perimeter Number Puzzles are perfect for hands-on math centers!

- Students explore key 3rd Grade concepts through a variety of formats, from counting unit squares to solving real-world word problems—fully aligned with 3.MD.5–3.MD.8.

- Includes instructions:
  - How to print, laminate, and cut
  - Optional dry-erase use
  - Different ways to play (match just two pieces or all four)



YOU WILL LOVE THIS BECAUSE



Real-World Application Builds Math Reasoning

Students solve relatable perimeter and area problems using figures, unknowns, and additive reasoning that mirror everyday problem-solving scenarios.



Covers All Key Area and Perimeter Concepts

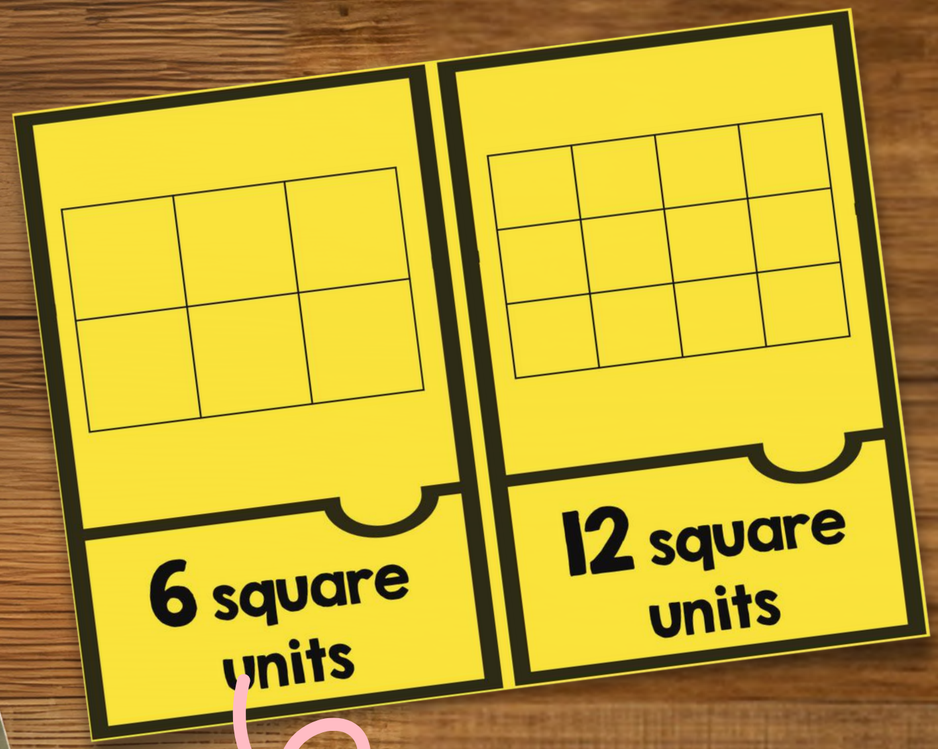
Students explore unit squares, multiplication models, and real-life scenarios to fully understand 3.MD.5–8 concepts in a hands-on way.

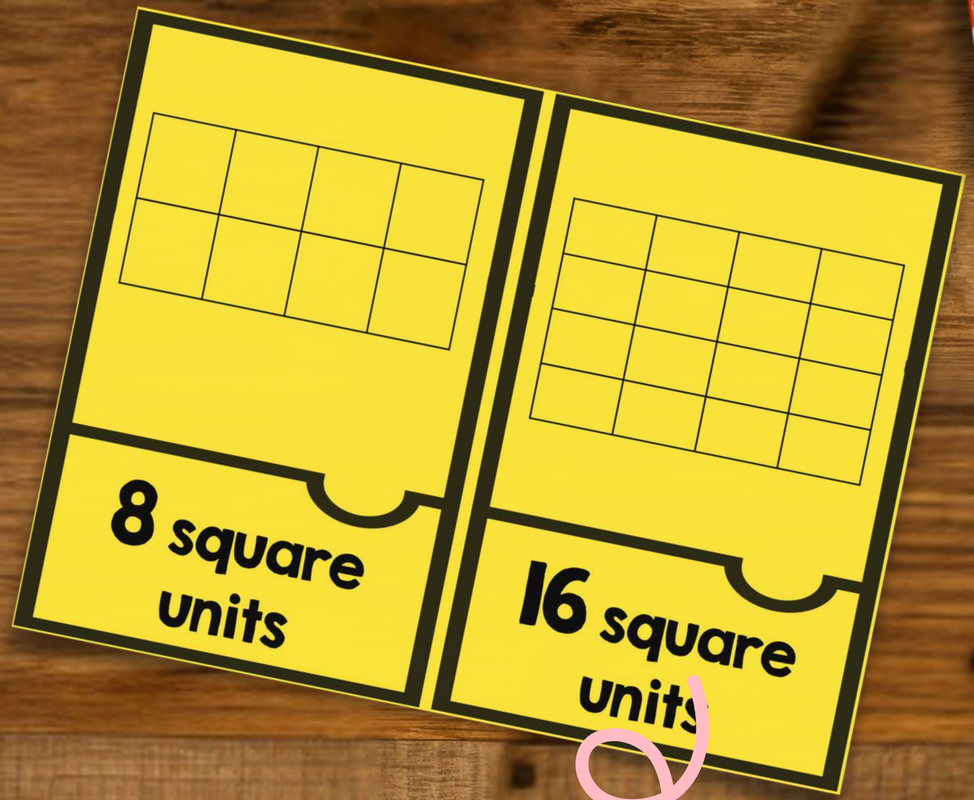


Differentiated Puzzle Types for Scaffolded Learning

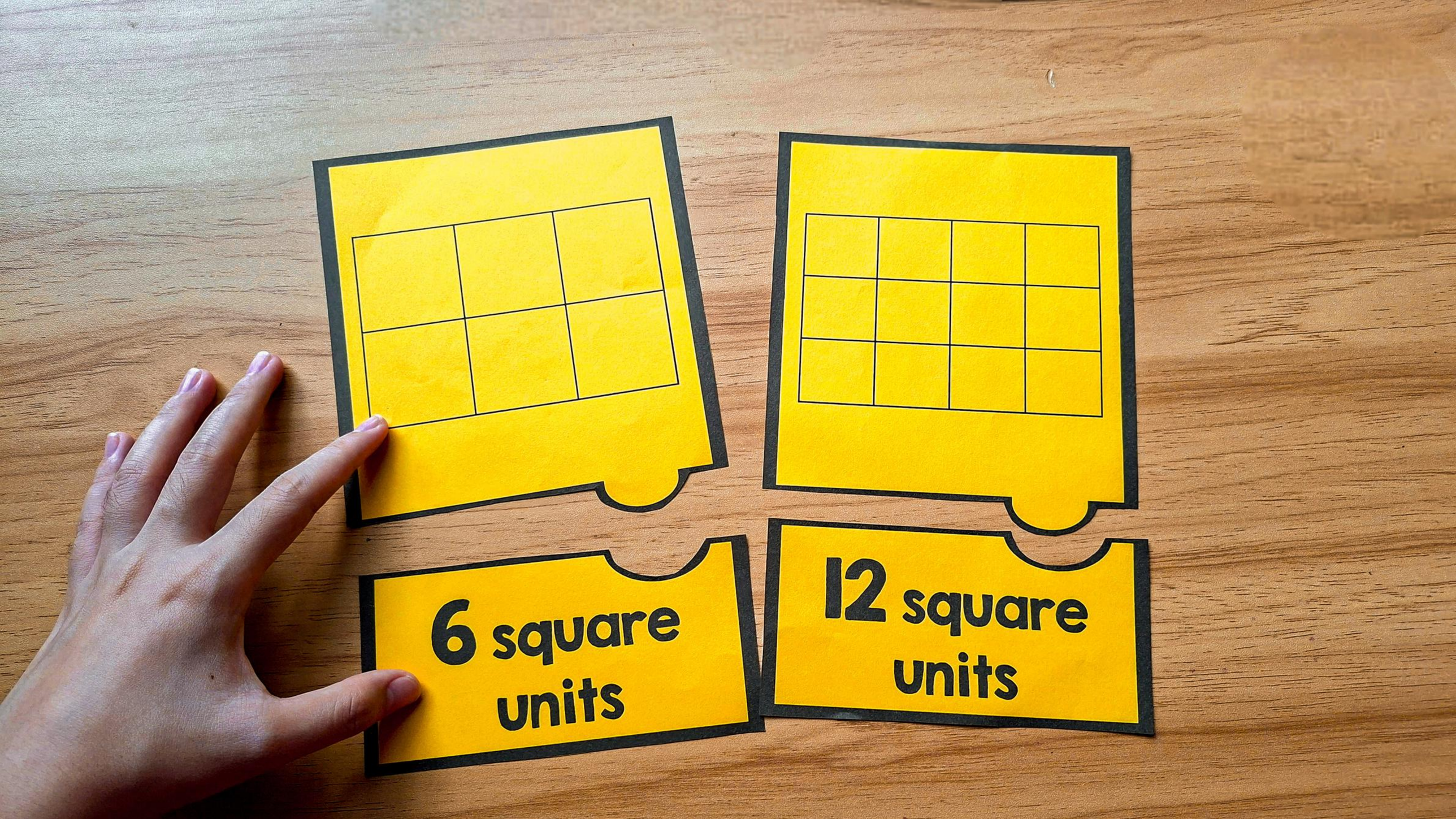
Multiple formats—from basic counting to word problems—allow for easy differentiation and progression through increasingly complex measurement skills.

SAMPLE PAGES & ACTIVITIES

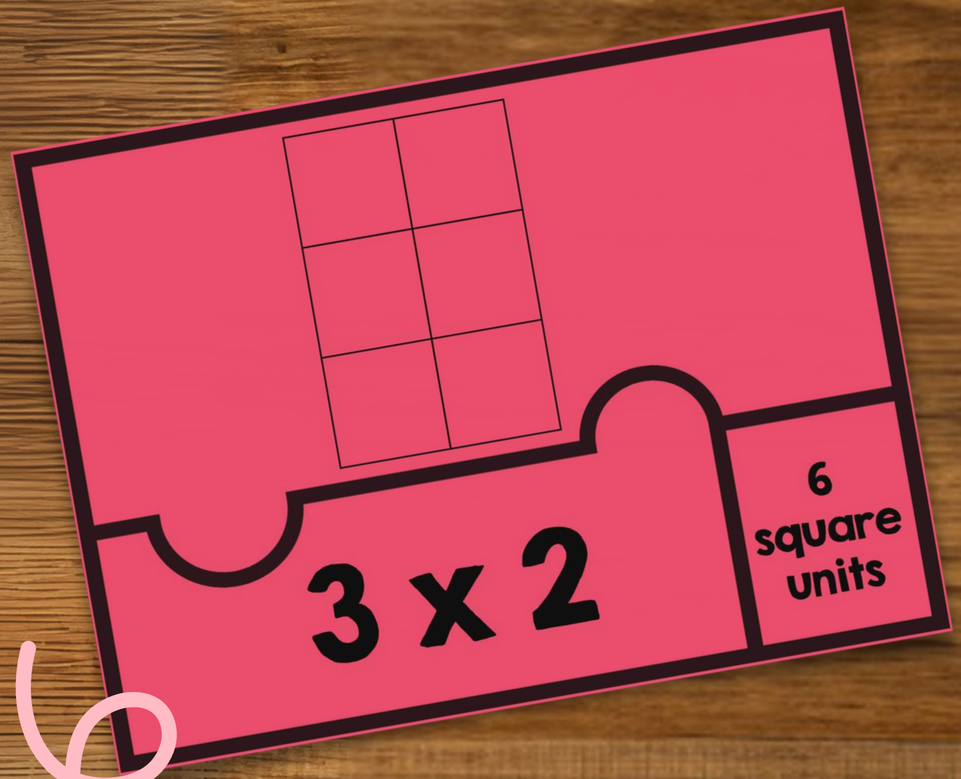


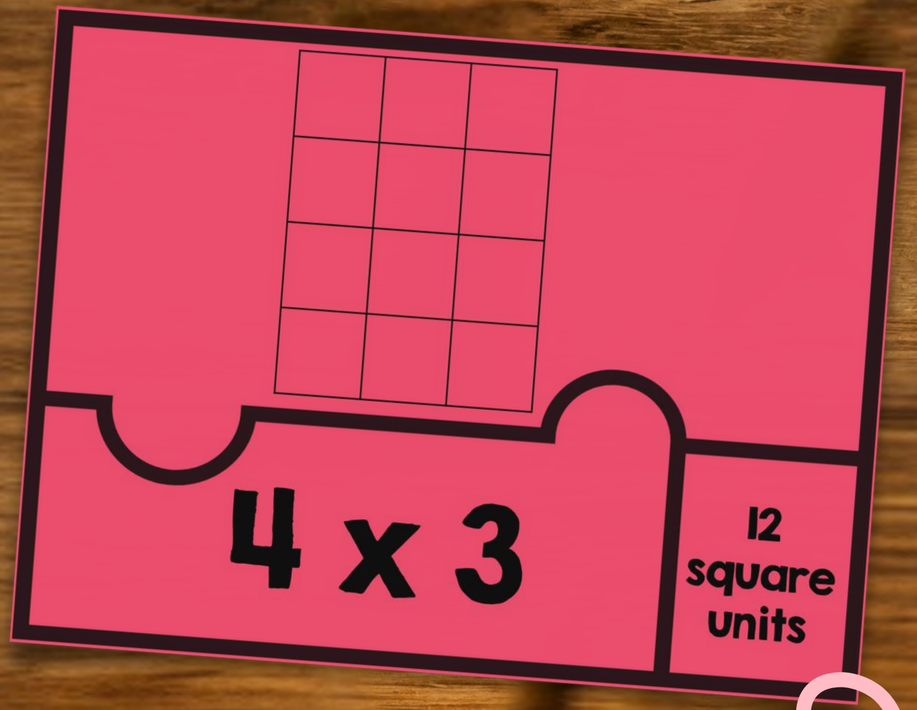


COUNT THE SQUARE UNITS

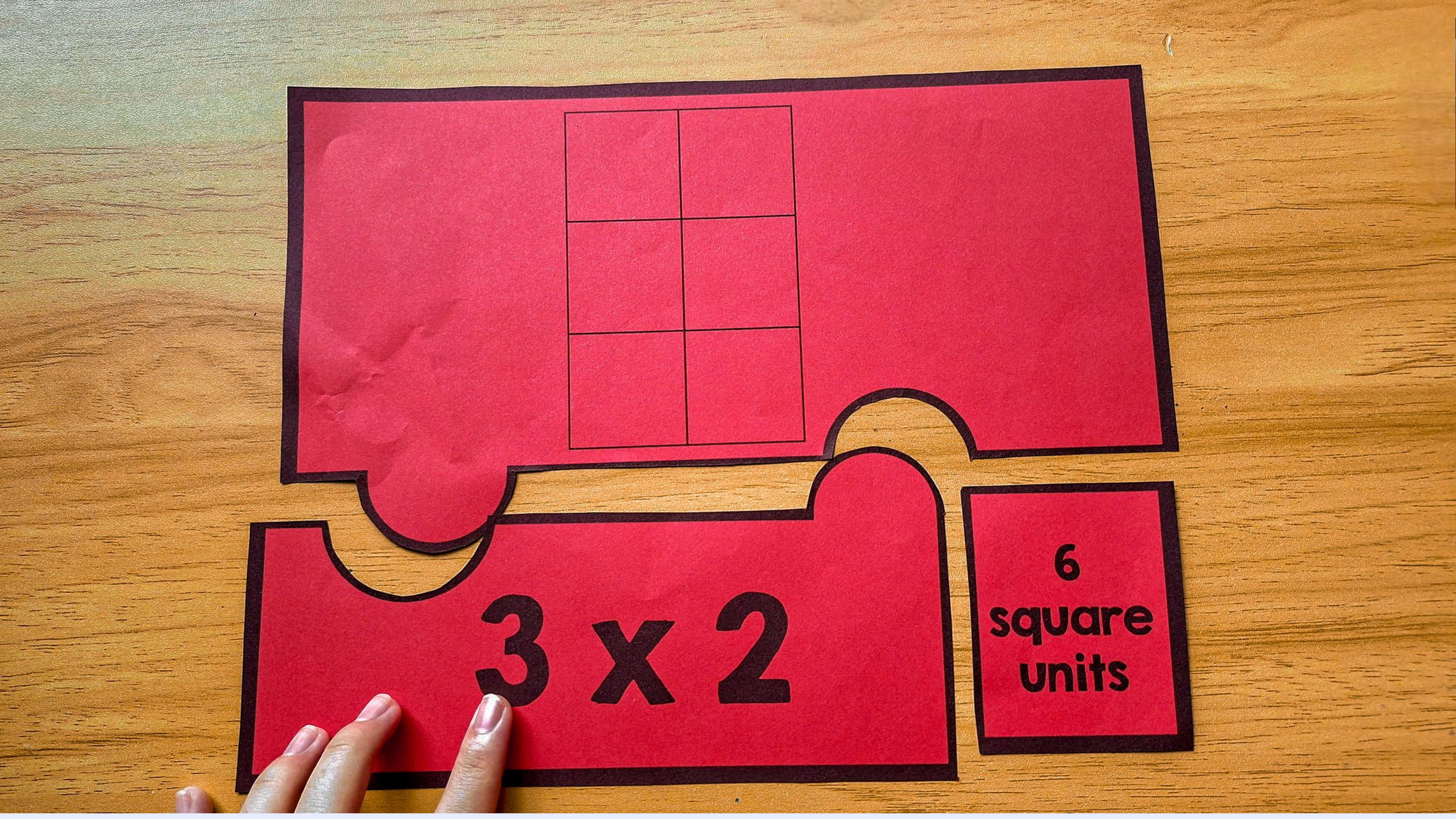

6 square units
12 square units

SAMPLE PAGES & ACTIVITIES

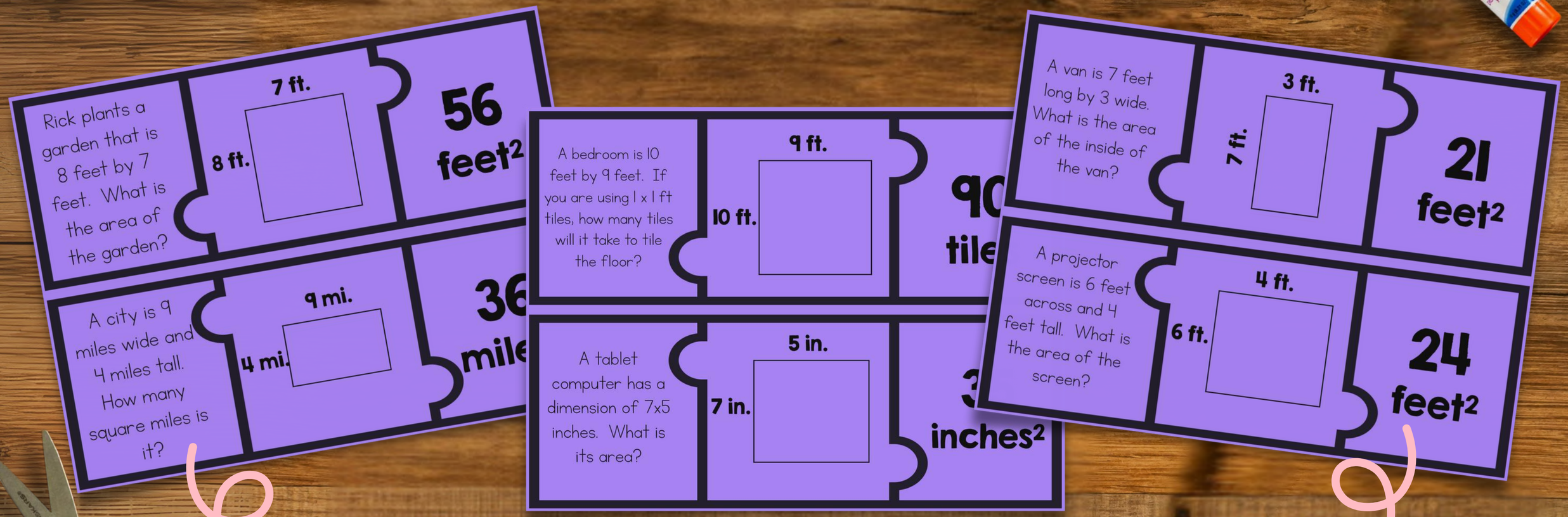




TILE & MULTIPLY


3 x 2
6
square
units

SAMPLE PAGES & ACTIVITIES

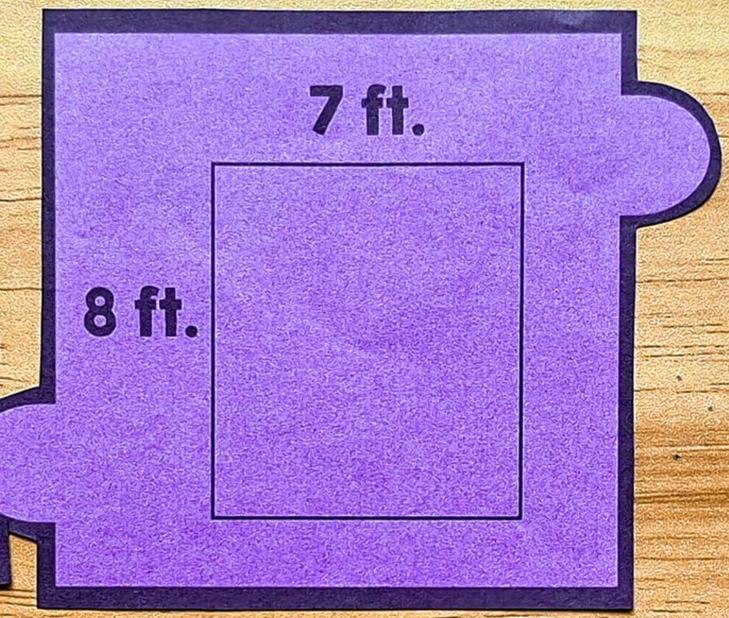




REAL WORLD PROBLEMS AREA

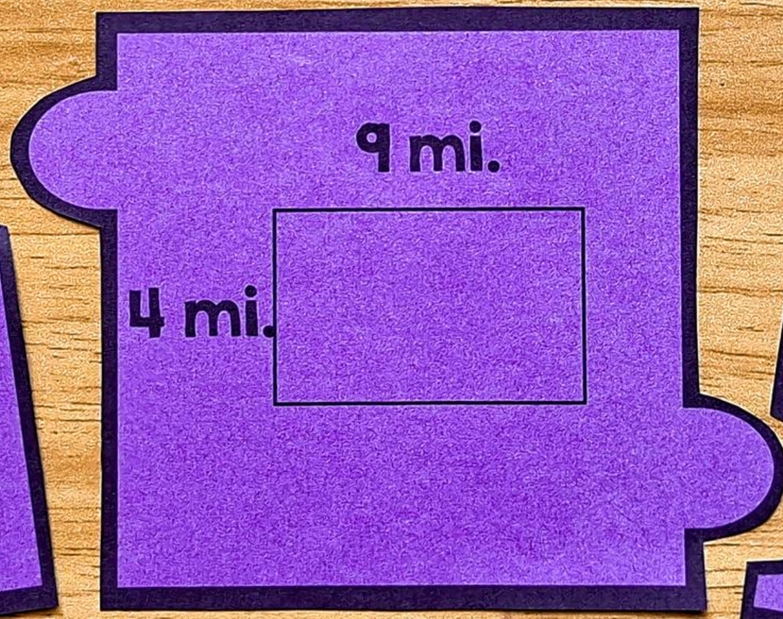
WORD PROBLEMS FOCUSED ON AREA AND PERIMETER

Rick plants a garden that is 8 feet by 7 feet. What is the area of the garden?



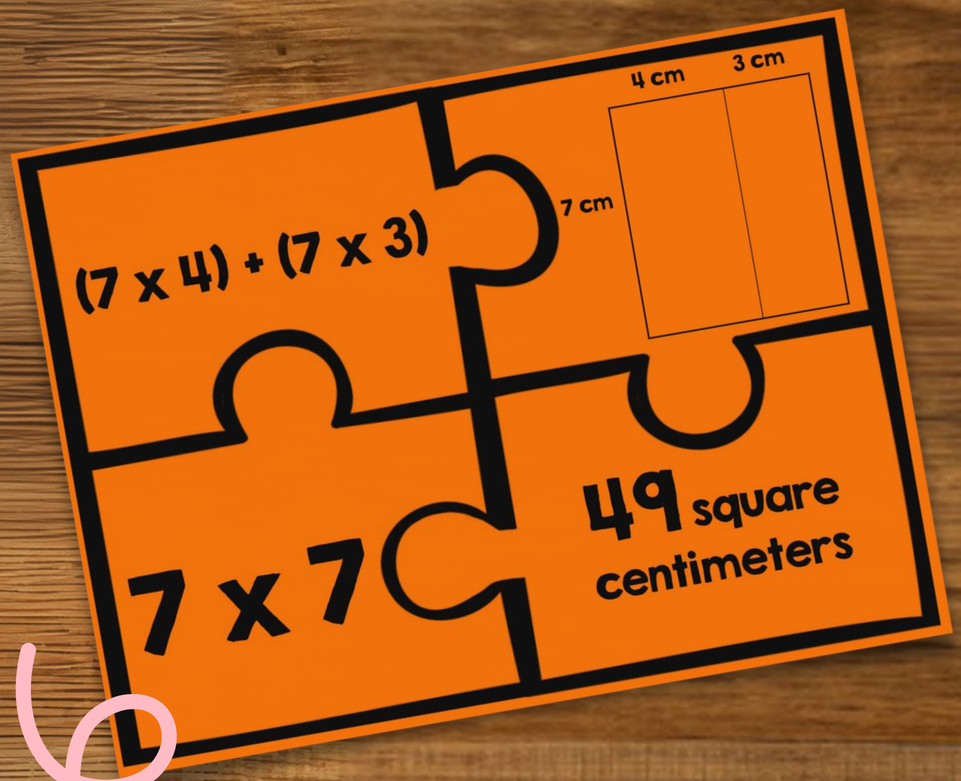
56 feet²

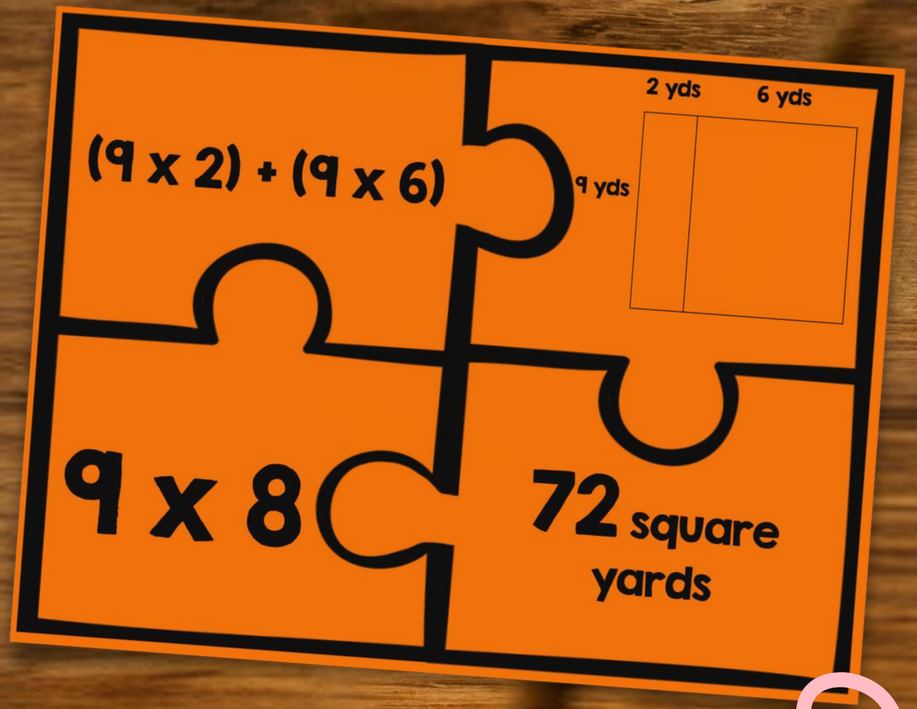
A city is 9 miles wide and 4 miles tall. How many square miles is it?



36 miles²

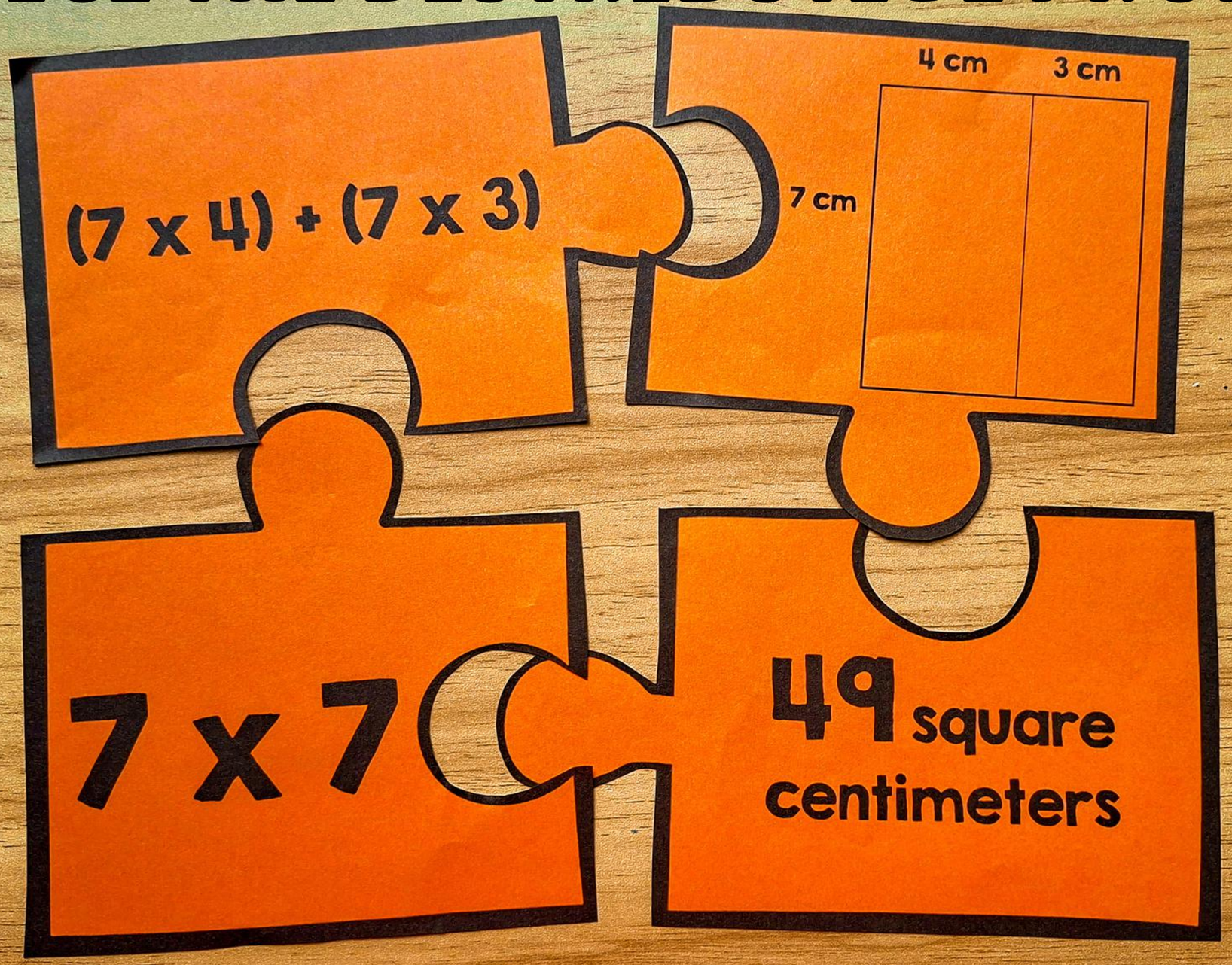
SAMPLE PAGES & ACTIVITIES



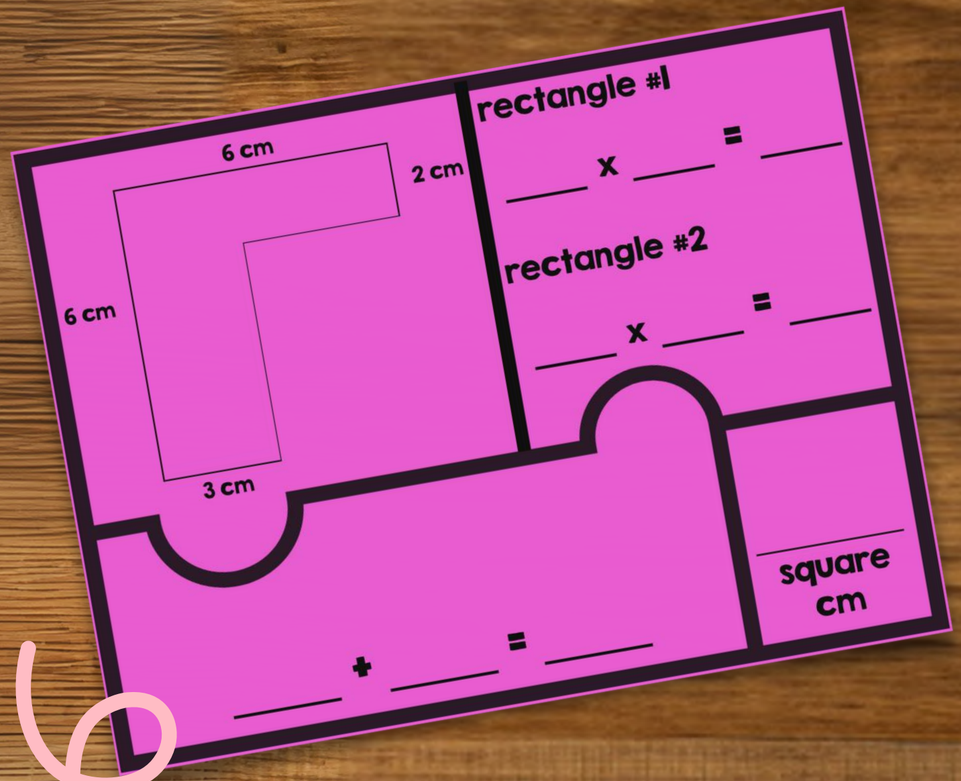


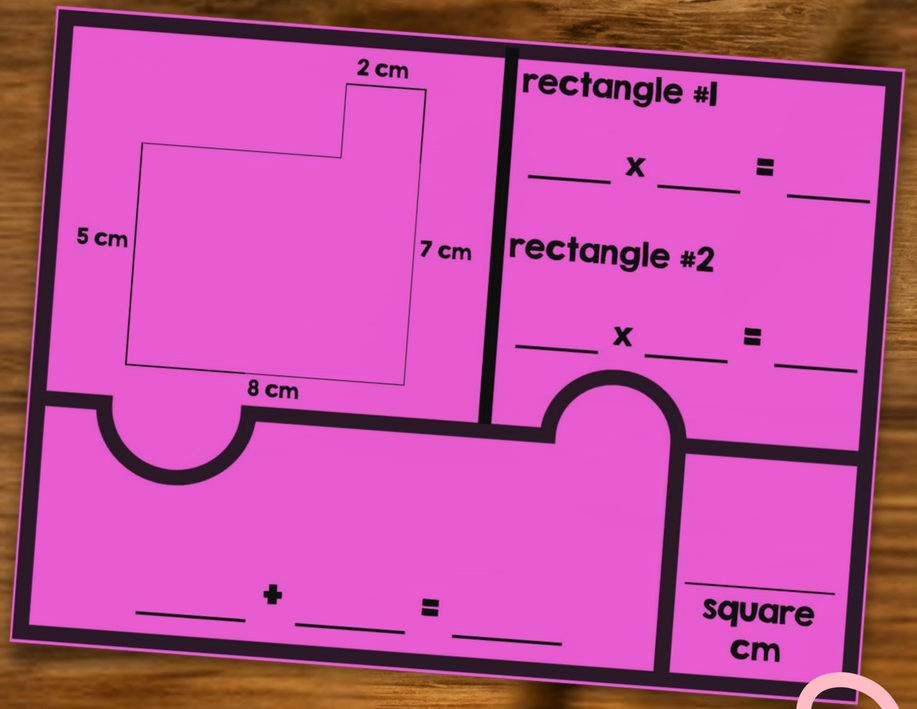
DISTRIBUTIVE PROPERTY

PRACTICE THE DISTRIBUTIVE PROPERTY

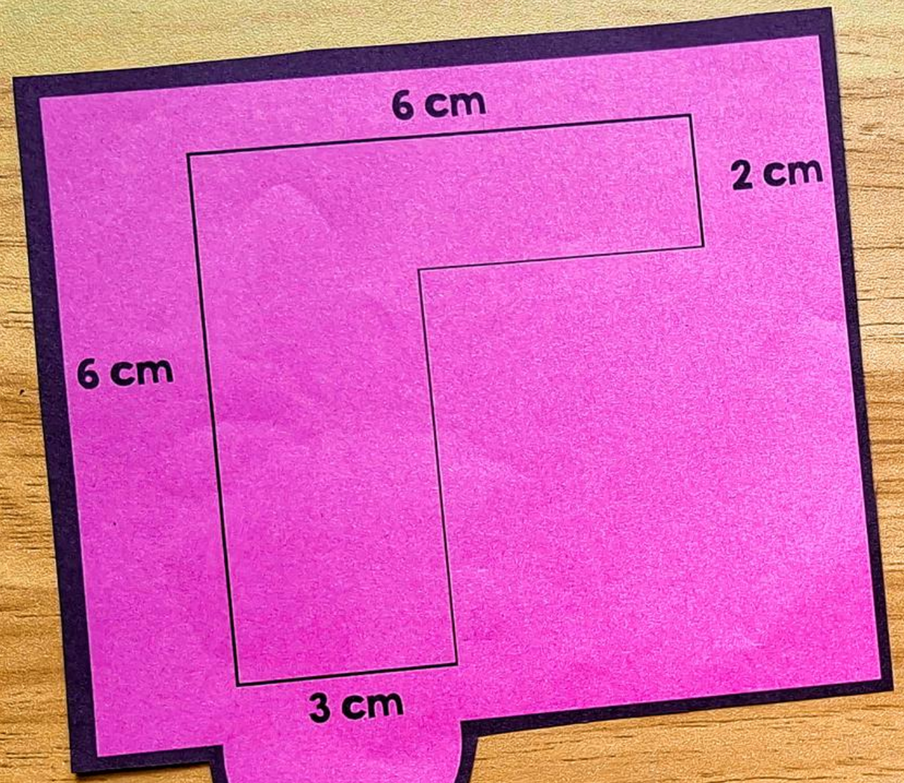


SAMPLE PAGES & ACTIVITIES





AREA IS ADDITIVE BLANK SPACES



rectangle #1

6 x 2 = 12

rectangle #2

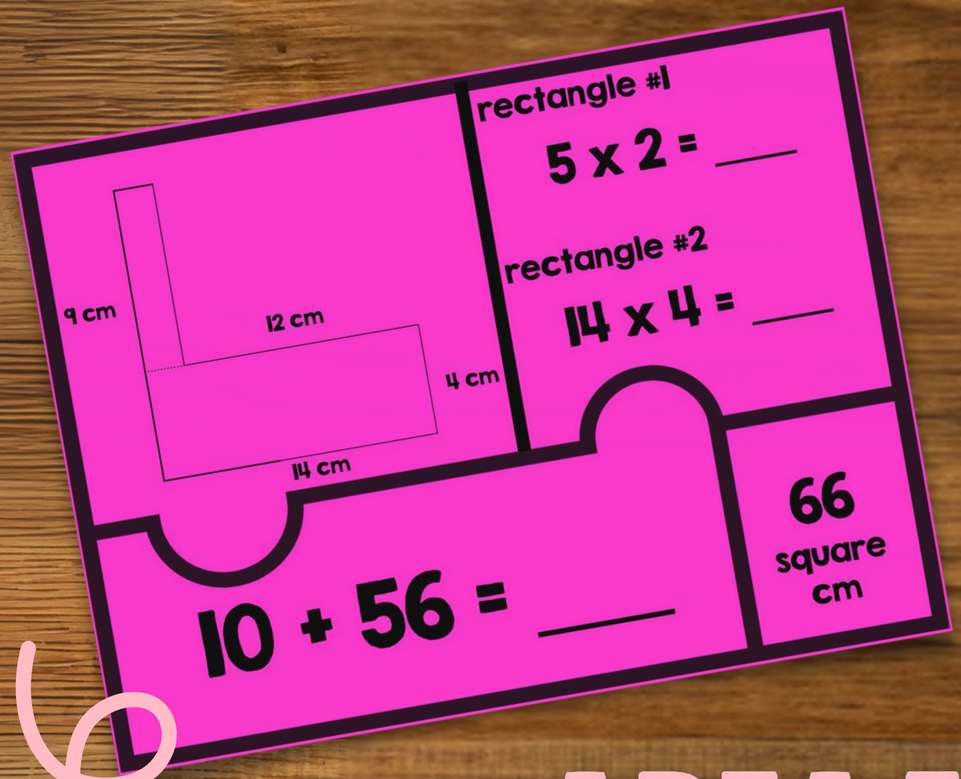
4 x 3 = 12

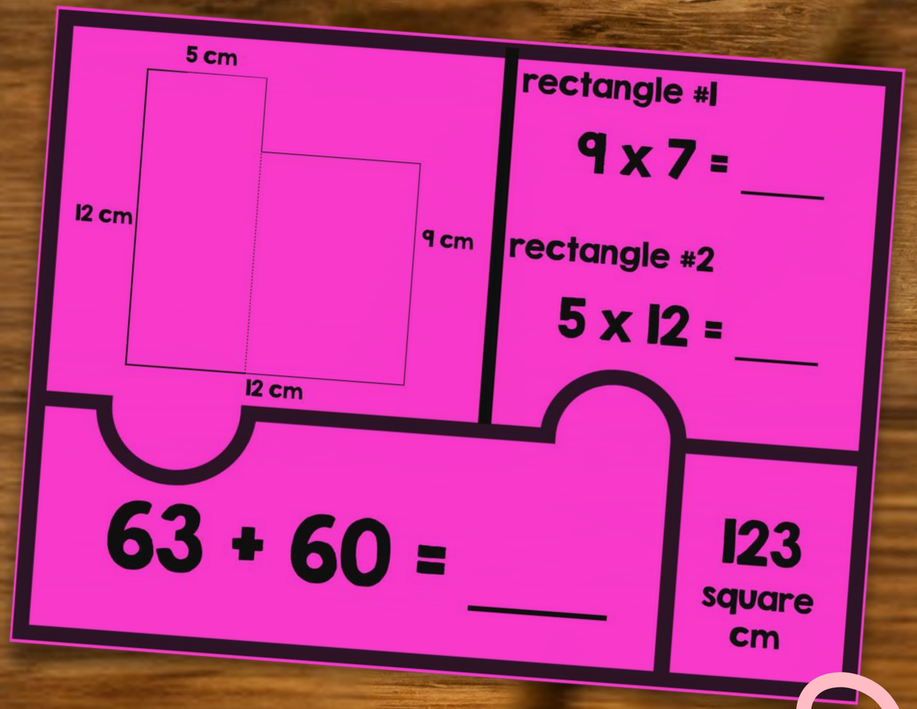
12 + 12 = 24

24

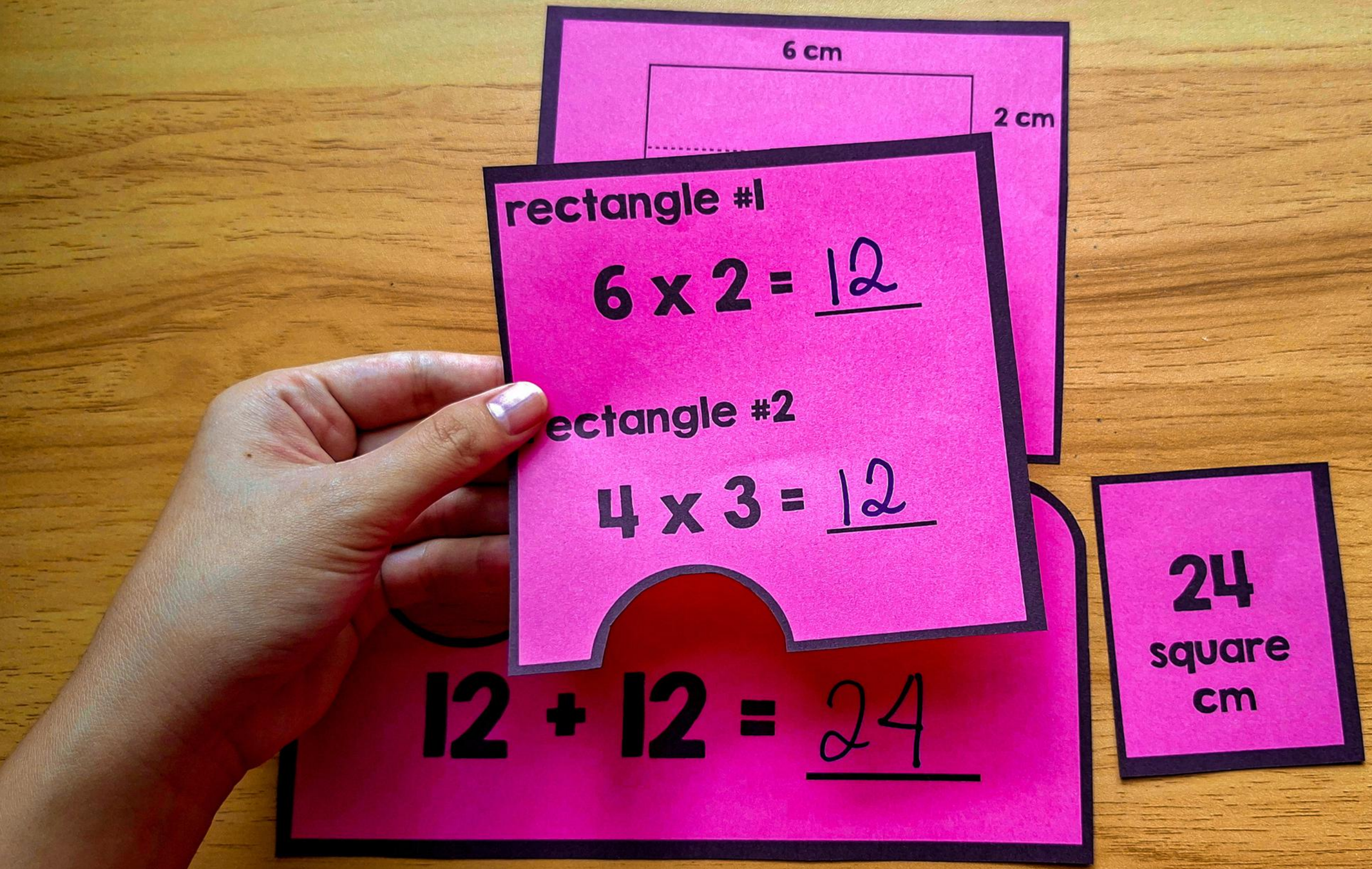
square cm

SAMPLE PAGES & ACTIVITIES

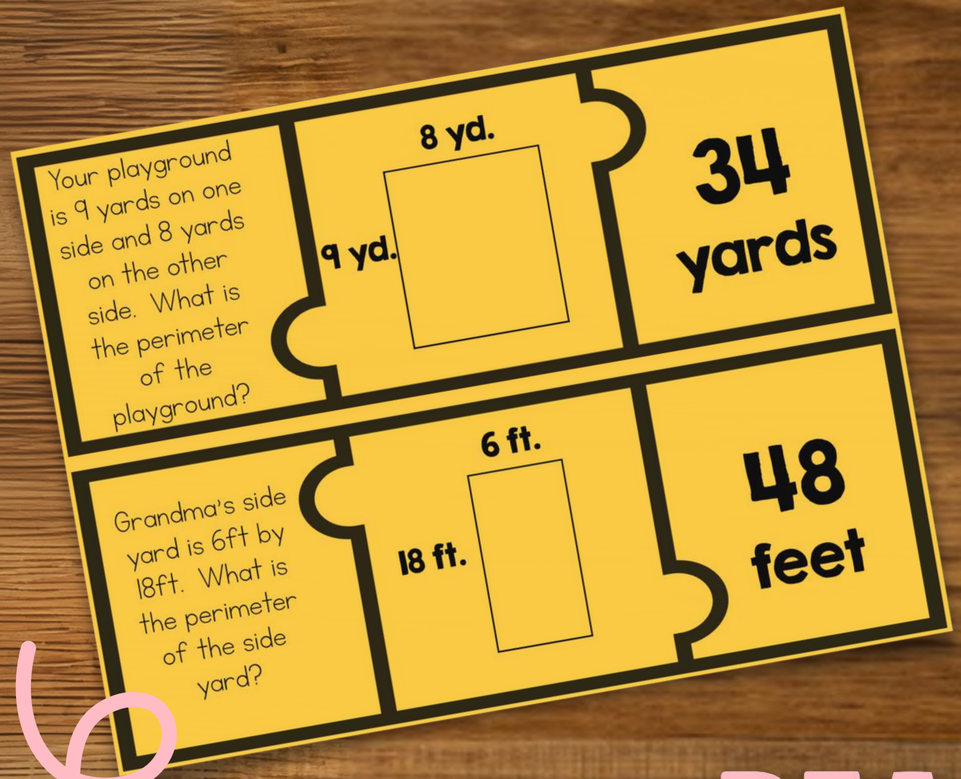


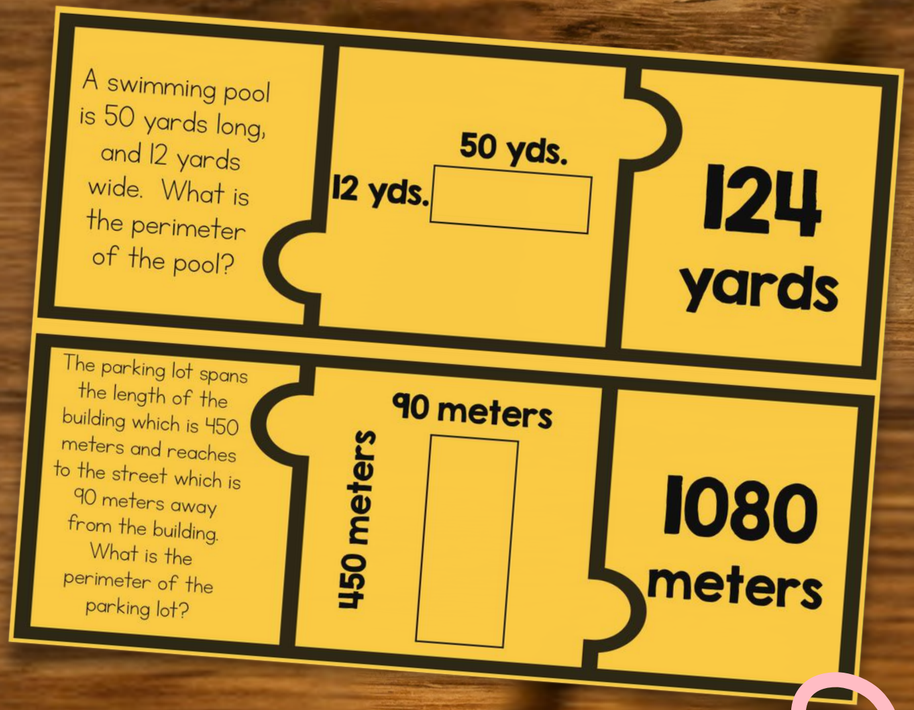


AREA IS ADDITIVE WITH RECTANGLES IDENTIFIED


6 cm
2 cm
rectangle #1
6 x 2 = 12
ectangle #2
4 x 3 = 12
12 + 12 = 24
24
square
cm

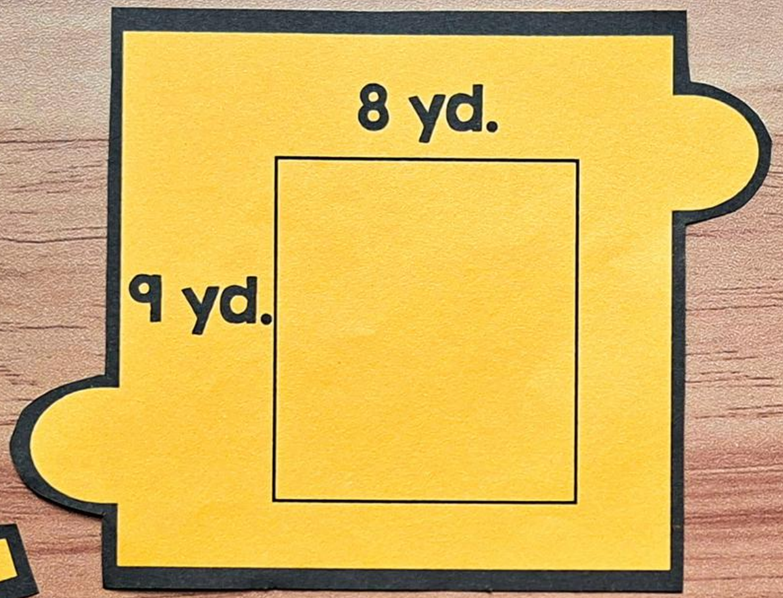
SAMPLE PAGES & ACTIVITIES





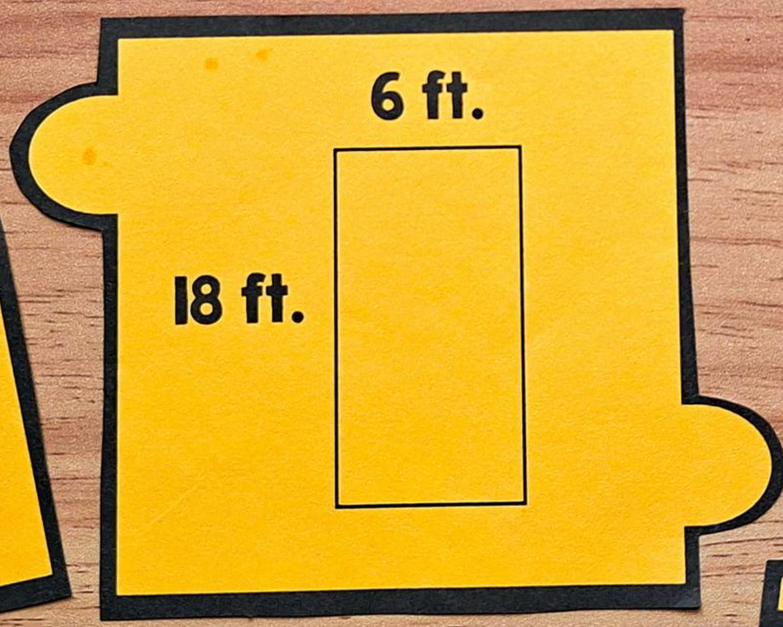
REAL WORLD PROBLEMS TOTAL PERIMETER

Your playground is 9 yards on one side and 8 yards on the other side. What is the perimeter of the playground?



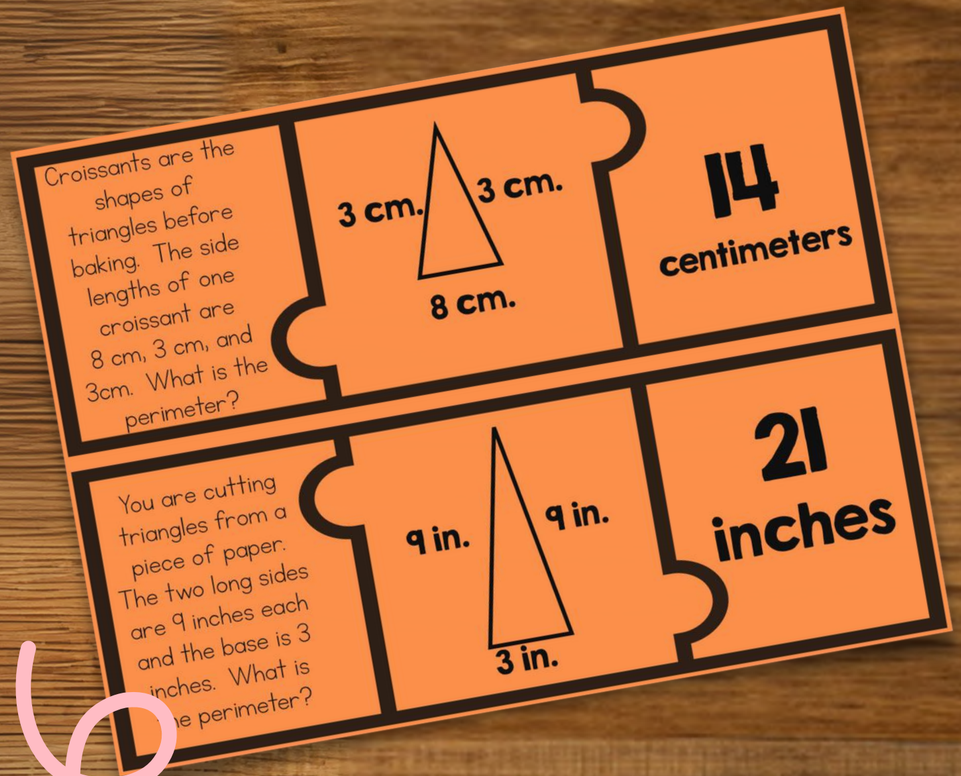
34 yards

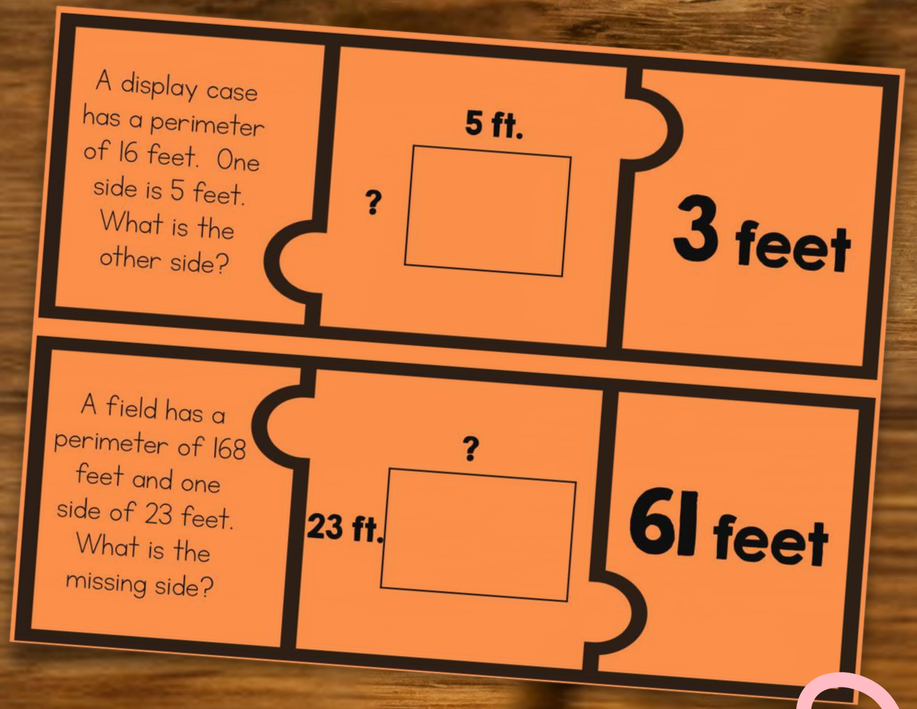
Grandma's side yard is 6ft by 18ft. What is the perimeter of the side yard?



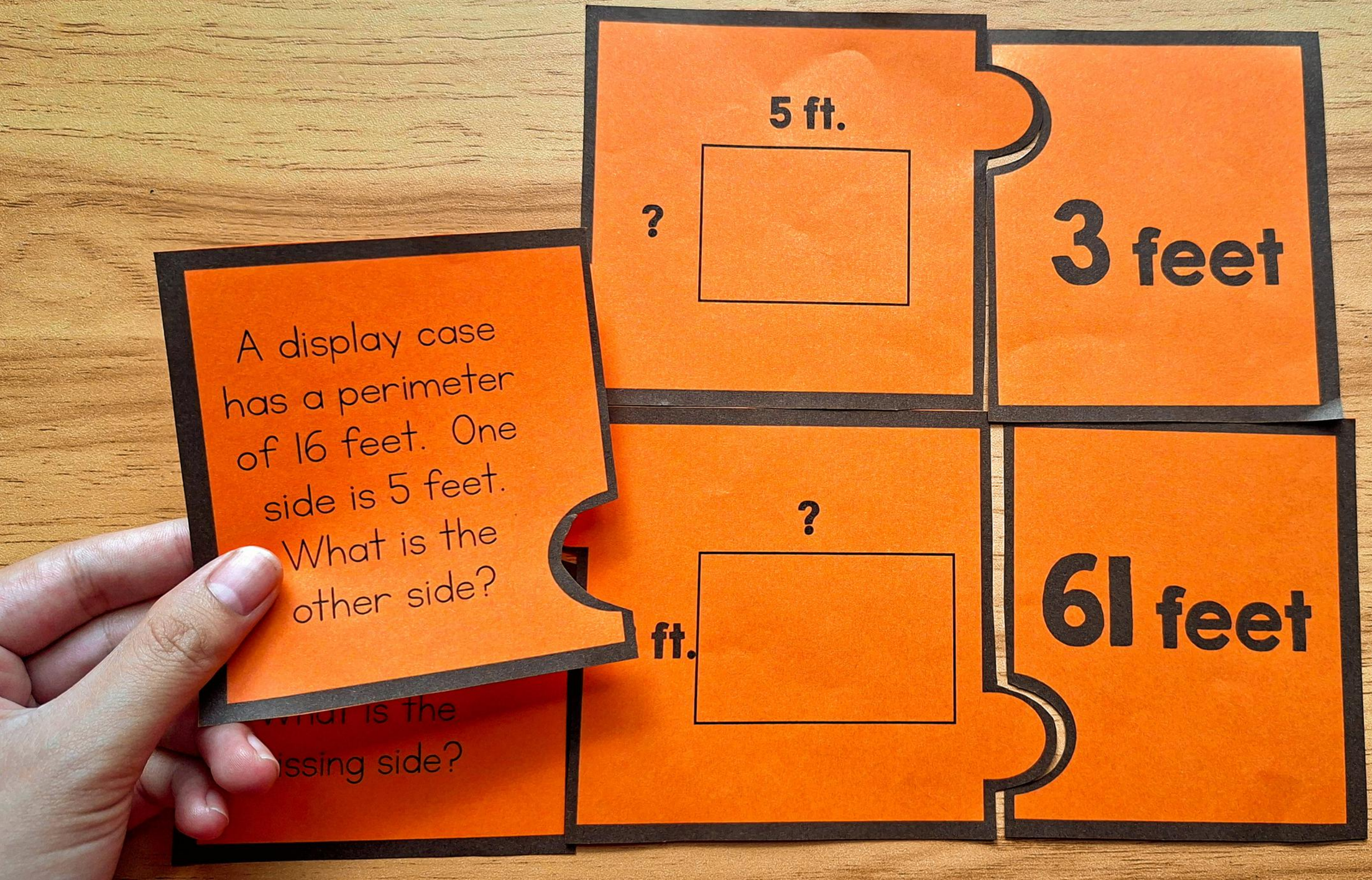
48 feet

SAMPLE PAGES & ACTIVITIES





REAL WORLD PROBLEMS PERIMETER UNKNOWN SIDE


A display case has a perimeter of 16 feet. One side is 5 feet. What is the other side?
5 ft.
?
3 feet
?
ft.
61 feet

TEACHERS LOVE IT!

This was such a fun resource to used to review area and perimeter. My students worked together during stations, and they seemed to enjoy it.

Melissa S.



This is just what I was looking for.....My students love puzzles. Valuable resource for teaching area and perimeter. Thanks!

GATchr



My passion is making learning accessible to all students. I love scaffolding learning. Breaking down the concepts and building them up so that students can see the connections. I love figuring out the small components that build up to the big ideas and helping students see it all.



teach MATH | teach SCIENCE | teach READING | teach WRITING

What I have LEARNED