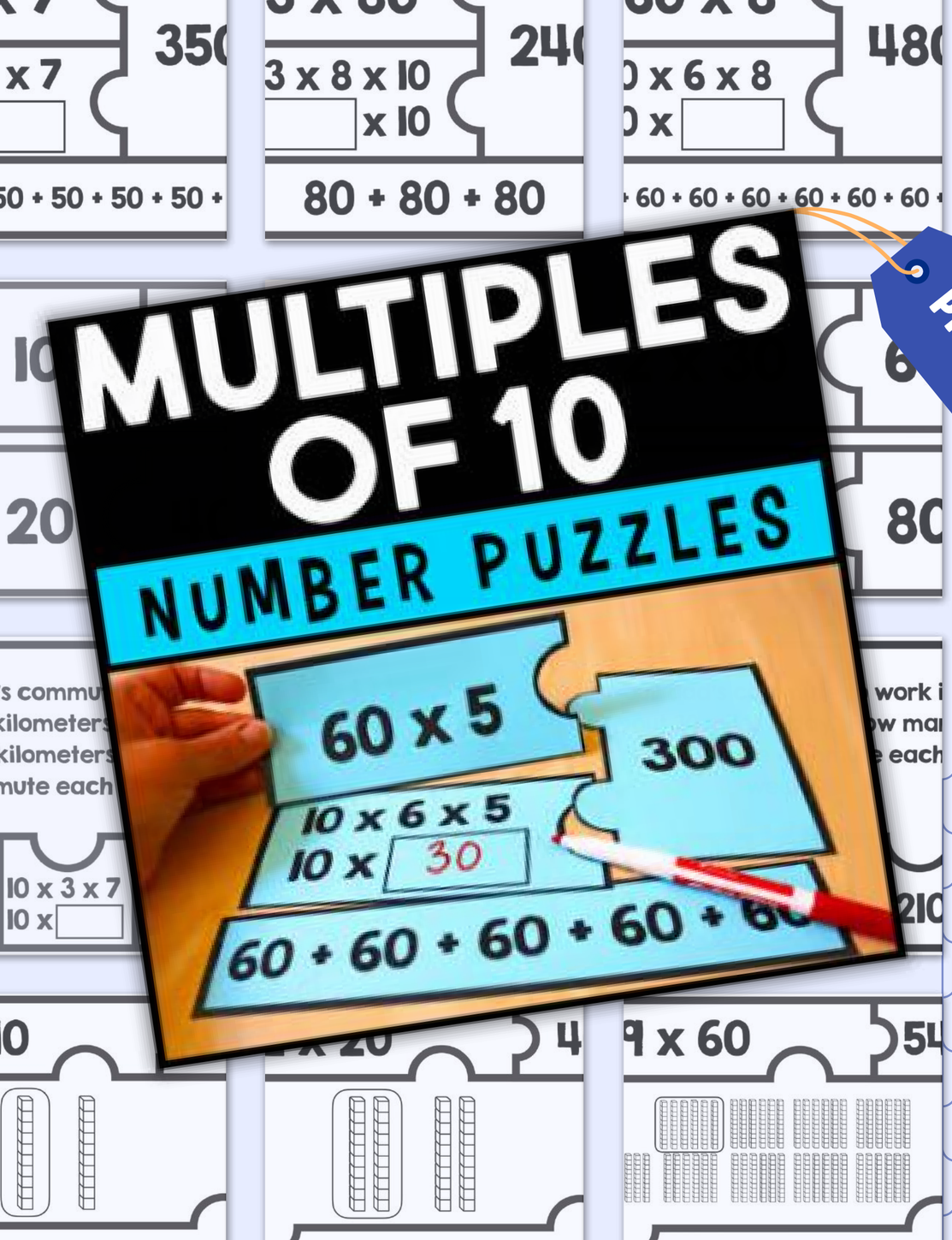


GRADE LEVEL 3RD

Number PUZZLES

MULTIPLY BY MULTIPLES OF 10

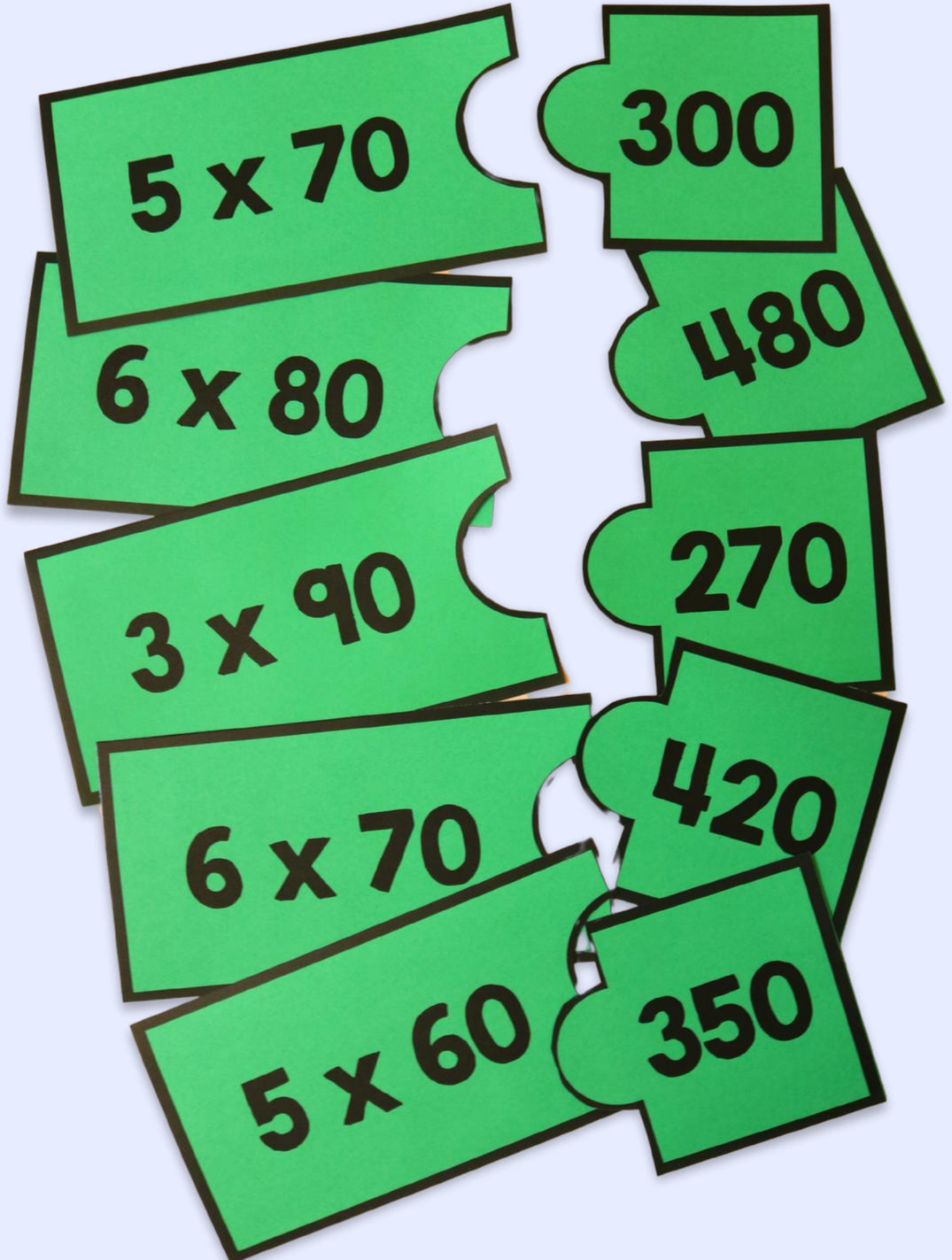
Number Puzzles Math Centers Base 10 Operations NBT–3

KEEP SCROLLING TO SEE WHAT'S INSIDE!

WHAT'S INCLUDED?

✓ Included Puzzle Types:

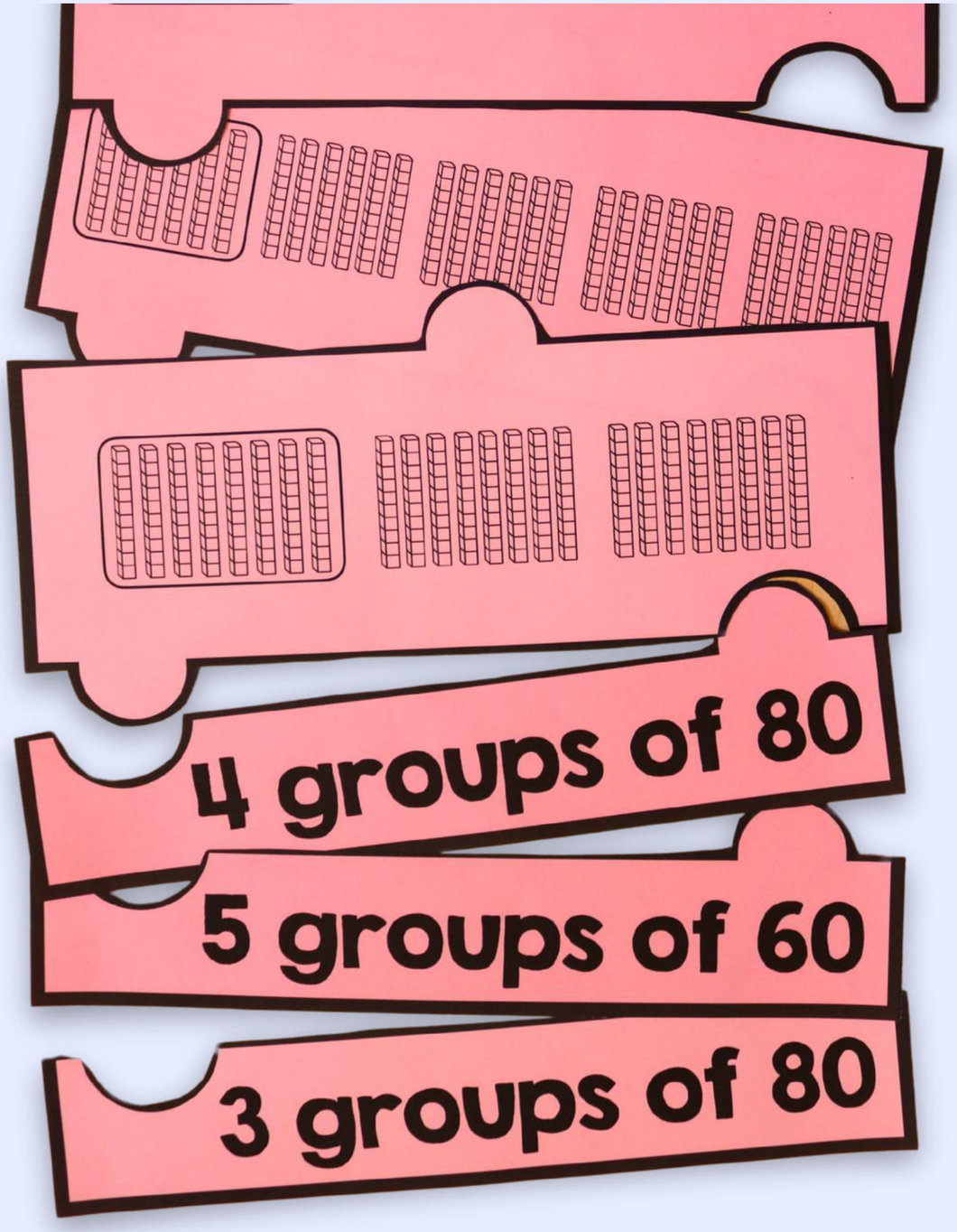
- Properties of Operations
- Problem & Answer Matching
- Word Problems
- Base-10 Models
- Place Value Strategies



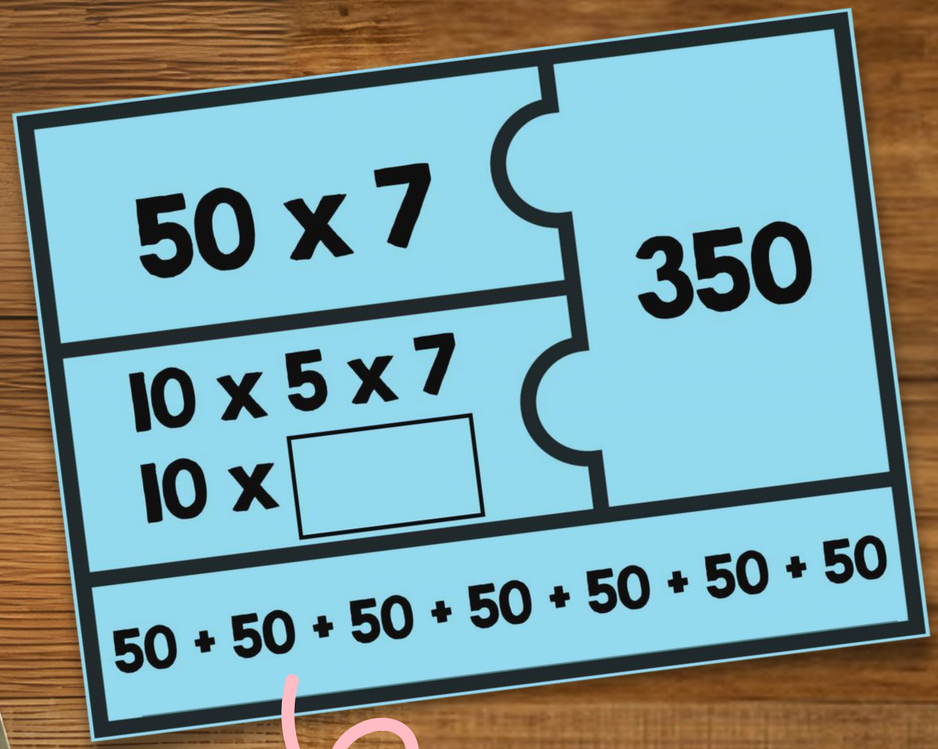
ACTIVITY OVERVIEW

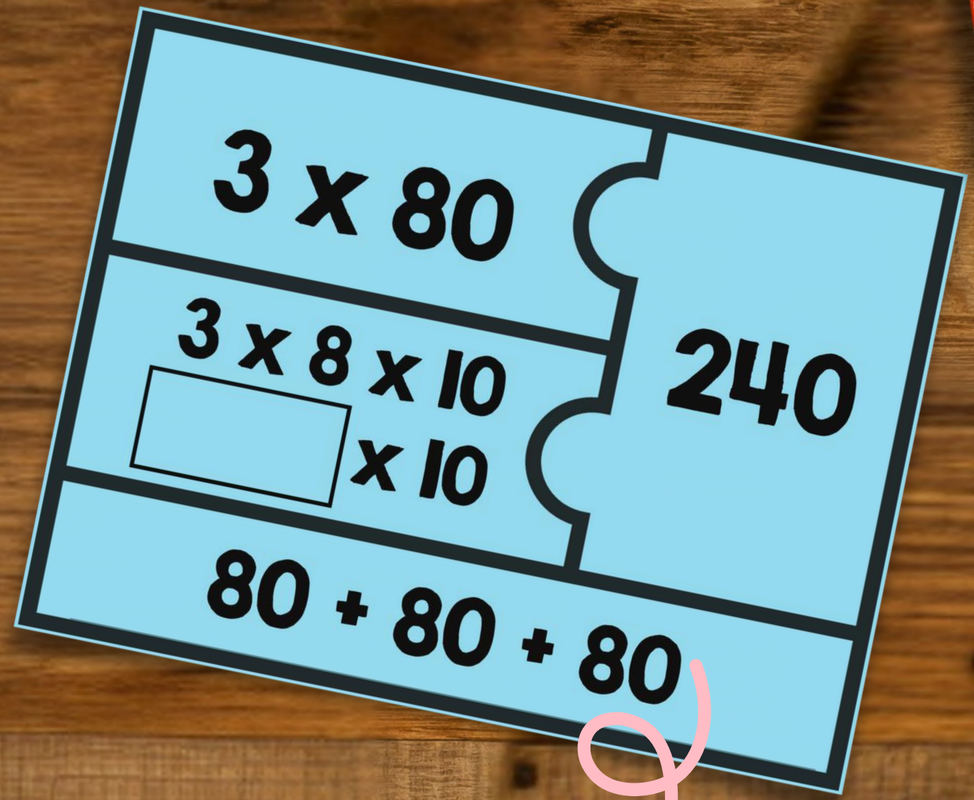
Give students hands-on practice multiplying by multiples of 10 with these engaging number puzzles aligned to NBT-3.

- Students explore patterns, place value strategies, and properties of operations through five interactive puzzles.

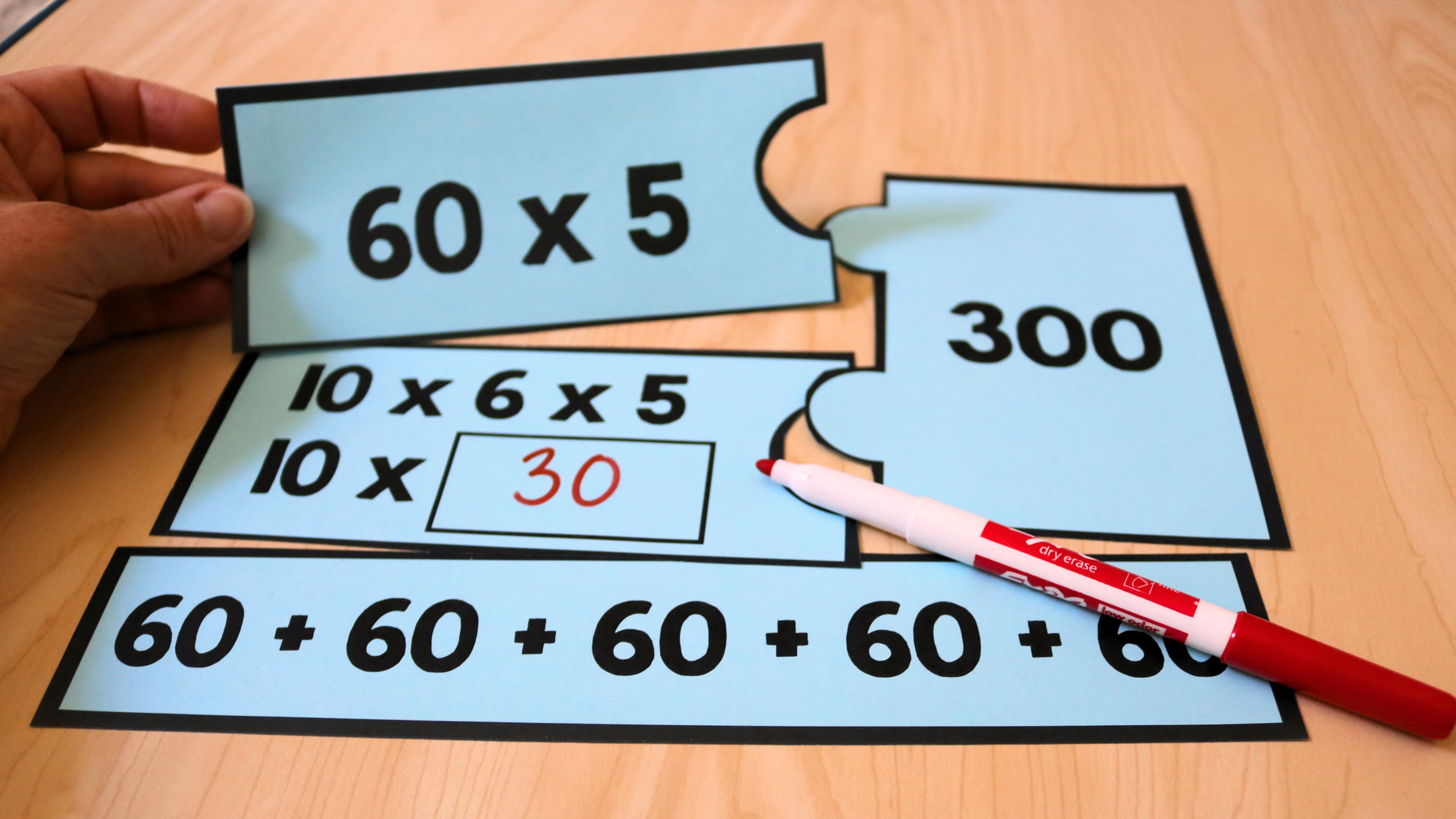


SAMPLE PAGES & ACTIVITIES

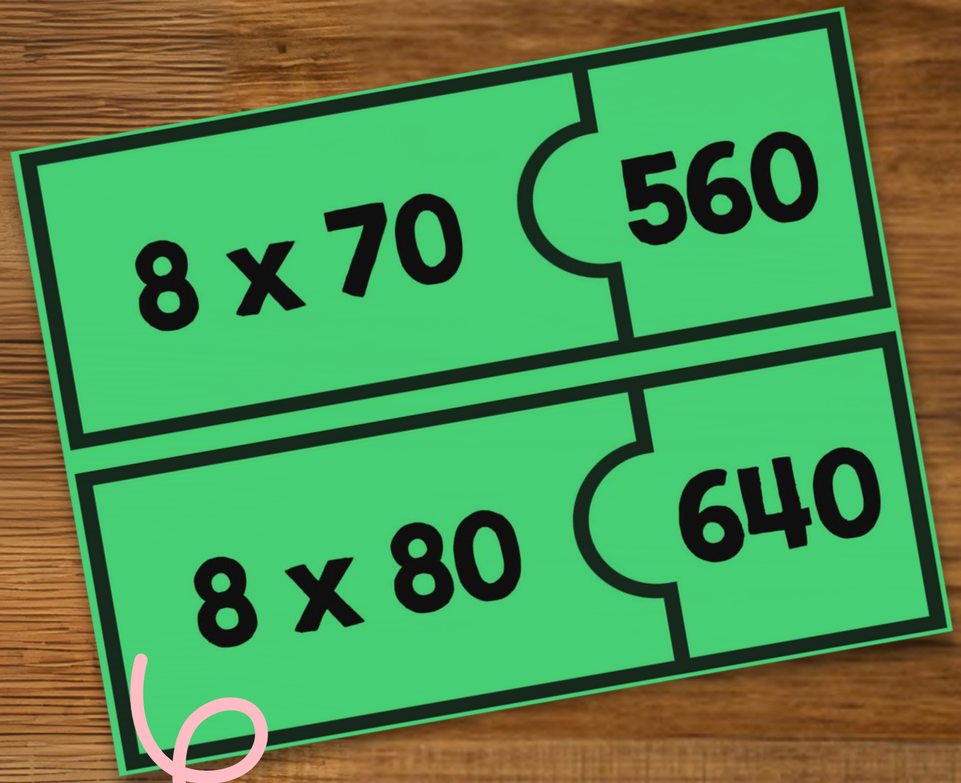


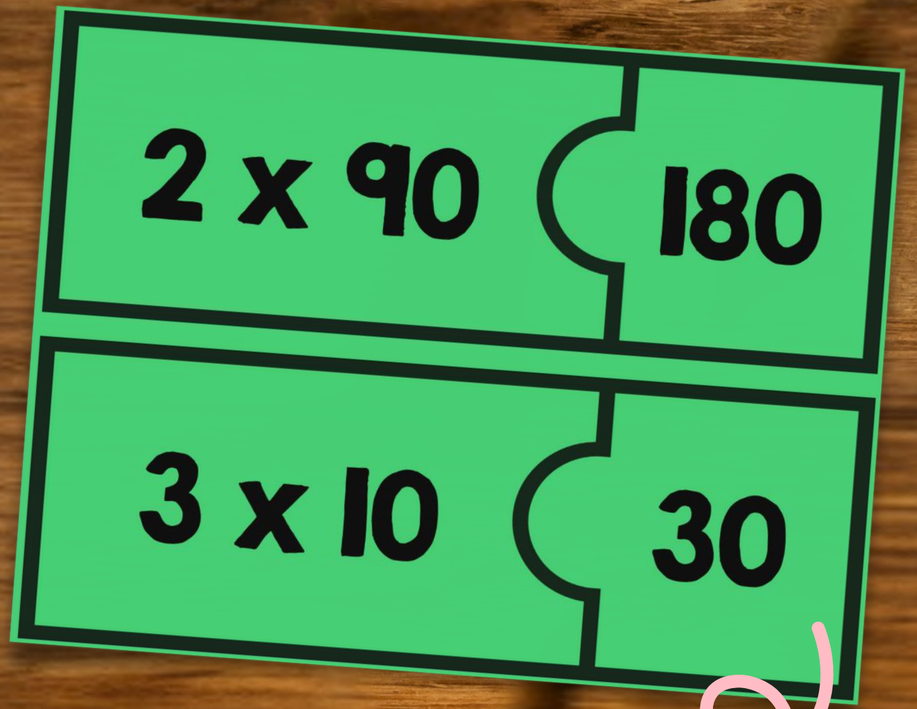


PROPERTIES OF THE OPERATIONS

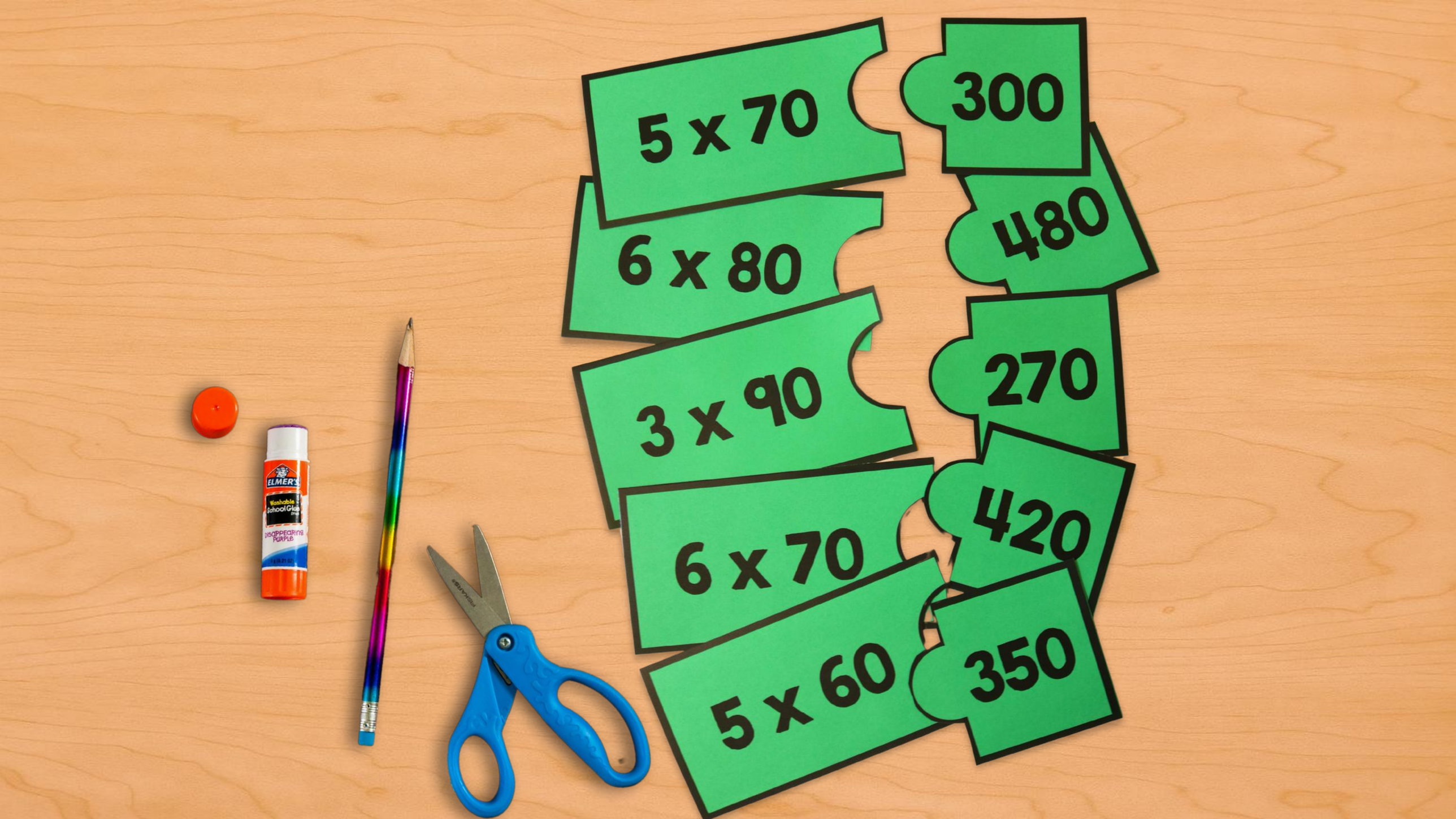

60 x 5
300
10 x 6 x 5
10 x 30
60 + 60 + 60 + 60 + 60
dry erase

SAMPLE PAGES & ACTIVITIES

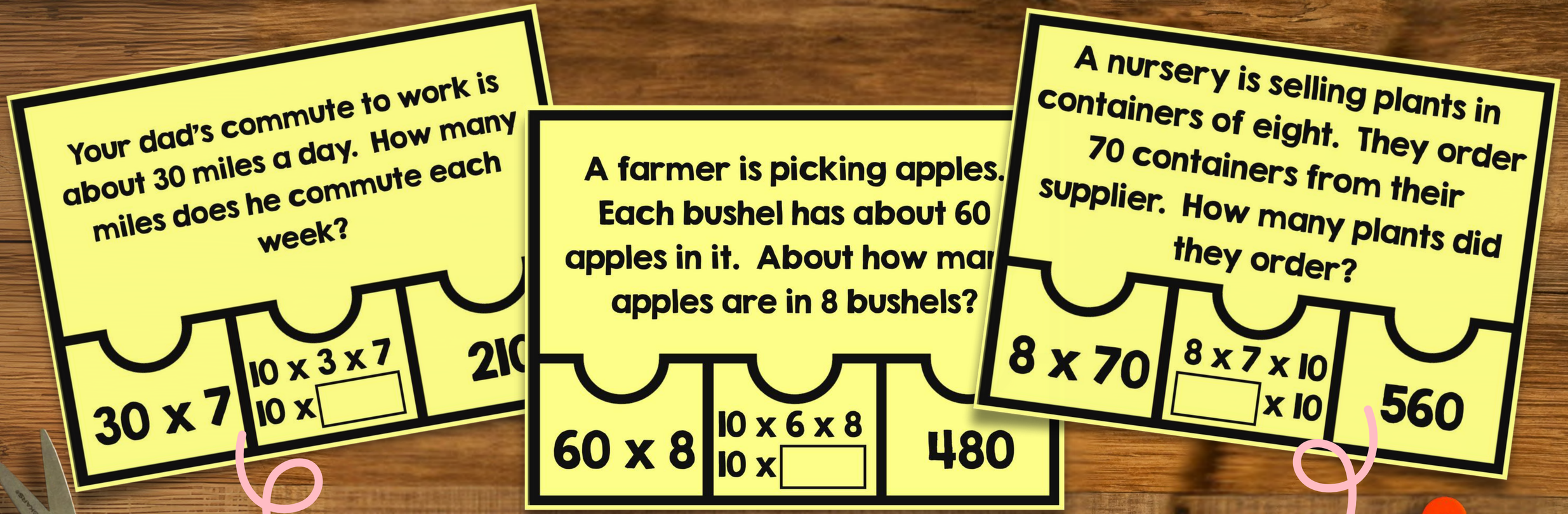




PROBLEM AND ANSWER


5 x 70
300
6 x 80
480
3 x 90
270
6 x 70
420
5 x 60
350
ELMER'S
Washable School Glue
disappearing purple

SAMPLE PAGES & ACTIVITIES







WORD PROBLEM

You have 70 stickers in your collection. Your best friend has seven times as many stickers. How many stickers does she have in her collection?

A rope is 40 feet long. Someone gives you a rope that is three times that length. How long is the new rope?

70 x 7

120

4 x 3 x 10
□ x 10

490

10 x 7 x 7
10 x □

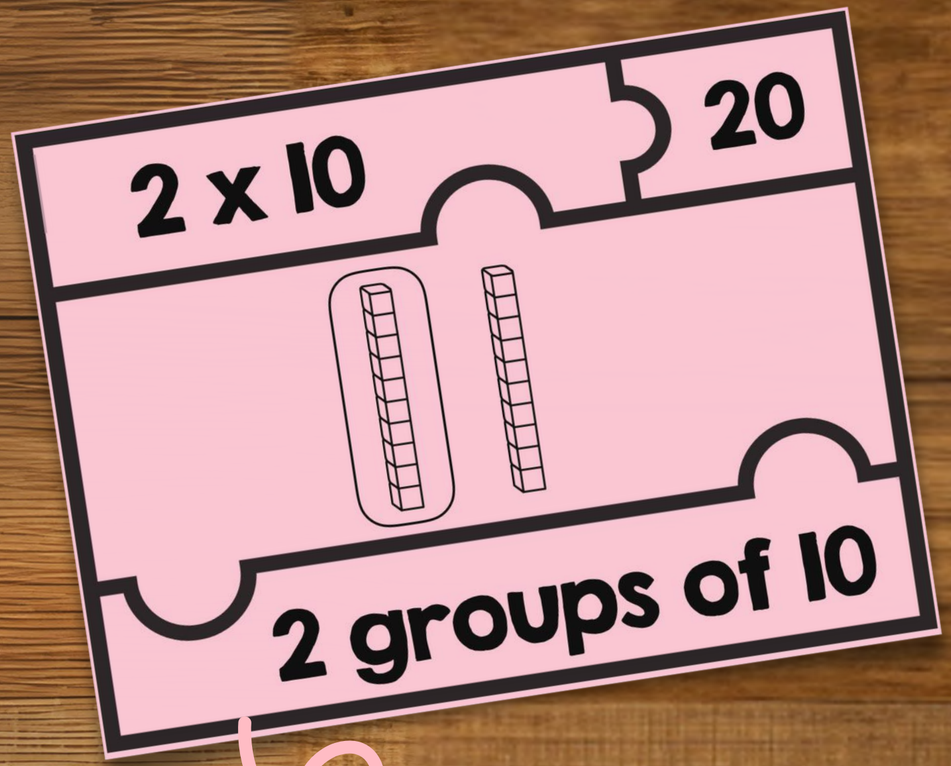
40 x 3

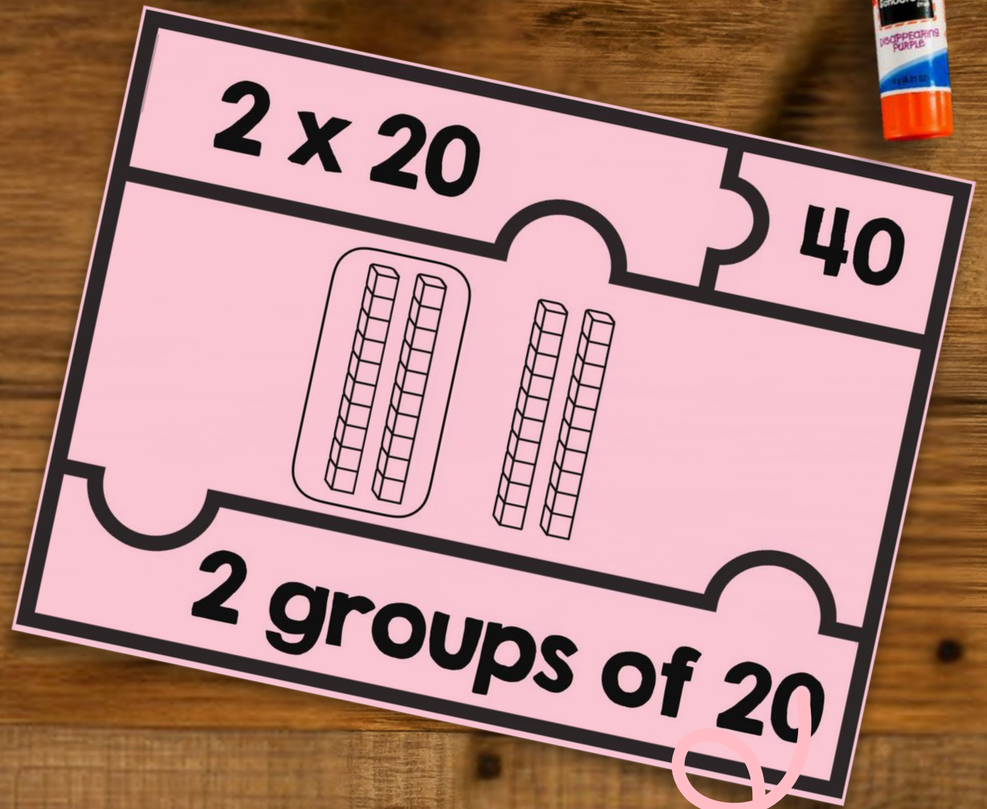






SAMPLE PAGES & ACTIVITIES





BASE 10/ PLACE VALUE STRATEGIES


5 x 60
240
3 x 80
300
4 x 80
320
4 groups of 80
5 groups of 60
3 groups of 80

YOU WILL LOVE THIS BECAUSE



Reinforces Base-10 & Place Value Strategies

Puzzles help students visualize multiplication using base-10 models, deepening understanding of how numbers shift when multiplied by 10s.



Aligned with NBT-3 Standards

Provides structured practice multiplying by multiples of 10 using patterns, place value understanding, and operations properties aligned with NBT-3.



Includes Real-World Word Problems

Word problem puzzles promote critical thinking and application of multiplication facts in meaningful, relatable scenarios.

TEACHERS LOVE IT!

Fun and engaging activity that kids could work collaboratively to put these puzzles together.

Stacey Steinberghger



This really helped my students get a hands on experience working together and building an understanding of the concept of multiples.

Katelyn Payne



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