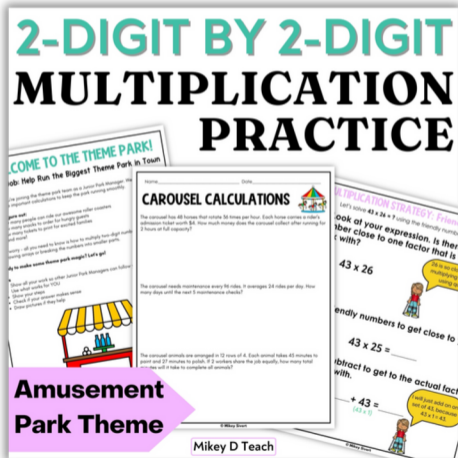


2-DIGIT BY 2-DIGIT MULTIPLICATION AMUSEMENT PARK THEMED PRACTICE

A differentiated activity pack to practice 2-digit by 2-digit multiplication skills

Scroll down to see
what's included!



Students Not Engaged?

MAKE MULTIPLICATION ENGAGING!

MULTIPLICATION STRATEGY: Area Model
Let's solve $43 \times 26 = ?$ using the area model strategy!

1) Draw a rectangle and split it into tens and ones vertically.

2) Split the rectangle into tens and ones horizontally.

3) Label the rectangle with the tens and ones from your expression.

4) Multiply the values for each area.

	40	3	
20	$40 \times 20 = 800$	$3 \times 20 = 60$	
6	$40 \times 6 = 240$	$3 \times 6 = 18$	

5) Add all of the values together.

$800 + 240 + 60 + 18 = \underline{\hspace{2cm}}$ $43 \times 26 = \underline{\hspace{2cm}}$

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Name _____ Date _____

BUMPIN' BUMPERS



Each bumper car ride costs 10 tickets. If 50 kids want to ride, how many tickets are needed total?

If 40 people ride during each bumper car session, how many total people can ride during 20 sessions?

One bumper car session can fit 10 cars. If they run 50 sessions today, how many total cars will get to ride?

© Mikey Street

Thrill-Powered Practice: Fun park theme makes math exciting

Visual Math Success: Graphics clarify multiplication steps

Confidence Builder: Easy to hard progression through the park

Real Applications: Tickets, rides, and snacks teach practical math

Standards + Skills Covered

ALIGNED TO COMMON CORE MATH



4.NBT.5

Multiply whole numbers
(two 2-digit numbers)



5.NBT.5

Fluently multiply multi-
digit whole numbers



4.OA.3

Solve multi-step word
problems using whole
number operations



WHAT'S INCLUDED?

YOU'VE GOT OPTIONS!

★ Worksheets

★ Student Directions

★ Challenge Problems

Four Multiplication
Strategy Posters



MULTIPLICATION STRATEGY: Area Model
Let's solve $43 \times 26 = ?$ using the area model strategy!

- 1) Draw a rectangle and split it into tens and ones vertically.
- 2) Split the rectangle into tens and ones horizontally.
- 3) Label the rectangle with the tens and ones from your expression.
- 4) Multiply the values for each area.
- 5) Add all of the values together.

$800 + 240 + 60 + 18 = \underline{\hspace{2cm}}$ $43 \times 26 = \underline{\hspace{2cm}}$

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MULTIPLICATION STRATEGY: Friendly Numbers
Let's solve $43 \times 26 = ?$ using the friendly numbers strategy!

Look at your expression. Is there a number close to one factor that is easy to multiply with?

43×26

26 is so close to 25, and multiplying by 25 is like using quarters.

Friendly numbers to get close to your

$43 \times 25 = \underline{\hspace{2cm}}$

Subtract to get to the actual factor with.

$\underline{\hspace{2cm}} + 43 = \underline{\hspace{2cm}}$
(43×1)

I will just add on one set of 43, because $43 \times 1 = 43$.


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BUILT-IN DIFFERENTIATION

THREE LEVELS OF ACTIVITIES

Name _____ Date _____

CAROUSEL CALCULATIONS



The carousel has 48 horses that rotate 36 times per hour. Each horse carries a rider's admission ticket worth \$4. How much money does the carousel collect after operating 2 hours at full capacity?

The carousel needs maintenance every 60 rides. It averages 24 rides per day. How many days will it take until the next 5 maintenance checks?

The carousel animals are arranged in 12 rows of 4. Each animal takes 45 minutes to paint and 27 minutes to polish. If 2 workers share the job equally, how many total minutes will it take to complete all animals?

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Name _____ Date _____

ROLLER COASTER RUSH



The Thunderbolt has 28 cars with 16 riders in each car. How many people can ride at once?

The Lightning Loop has 25 trains that run each hour. Each train carries 120 riders. How many people can ride in one hour?

The Space Spinner has 36 rides running every hour. Each ride lasts 15 minutes. How many seconds of rides happen in one hour?

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Name _____ Date _____

FERRIS WHEEL FUN



Each Ferris wheel gondola holds 10 passengers. If they fill 42 gondolas today, how many total passengers ride?

The Ferris wheel costs 20 tickets per ride. If 54 people want to ride, how many tickets are needed?

One complete Ferris wheel rotation takes 30 minutes. If they do 28 rotations today, how many total minutes did the wheel run?

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★ On-Level

★ Above Level

★ Below Level

Just print and
assign!

FOR THE TEACHER YOU'VE GOT SUPPORTS

☆ Answer Keys

☆ Black & White and
Color Options

Teachers Guide for
Easy Planning

