



Two-Digit Multiplication Magic

Warm-Up Exercises (10 minutes)

Let's start with some quick multiplication facts to get our brains ready!

Circle the correct answer for each question:

1. $2 \times 4 =$

- 6 8 10

2. $2 \times 7 =$

- 12 14 16

Skip Counting Practice

Fill in the missing numbers in the sequence:

2	4		8		12
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Place Value Practice

Break these numbers into tens and ones:

1. $23 =$

tens + ones

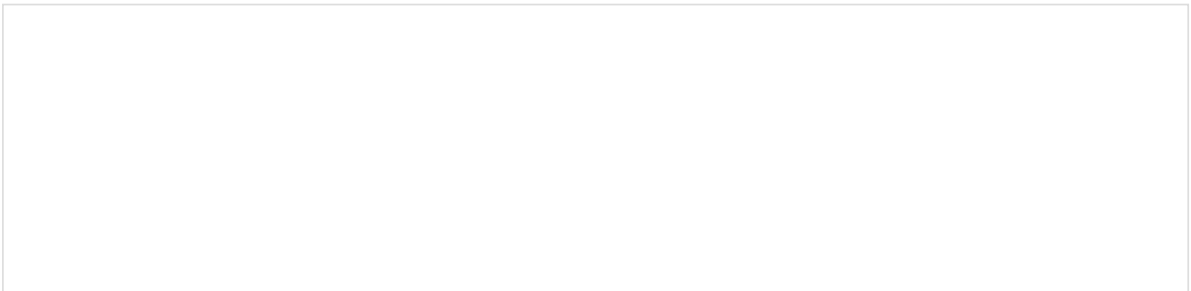
2. $45 =$

tens + ones

Draw Base-10 Blocks

Use the grid to draw base-10 blocks for each number:

1. Show 34 using base-10 blocks:



Beginner Multiplication (20 minutes)

Solve these problems using the column method:

1. $20 \times 2 =$

$$\begin{array}{r} 20 \\ \times 2 \\ \hline \end{array}$$

Remember:

- Line up your digits carefully
- Start with the ones
- Move to the tens
- Check your answer

Intermediate Multiplication (30 minutes)

Let's tackle more challenging two-digit multiplication problems!

Worked Example: 23×4

$$\begin{array}{r} 23 \\ \times 4 \\ \hline 92 \end{array}$$

1. First multiply $3 \times 4 = 12$ (write 2, carry 1)
2. Then multiply $2 \times 4 = 8$, add carried 1
3. Final answer: 92

Your Turn!

1. $34 \times 3 =$

2. $45 \times 2 =$

Advanced Strategy: Breaking Numbers Apart

Learn how to break down larger numbers to make multiplication easier!

Example: 25×4

Method 1: Break 25 into (20 + 5)

$$20 \times 4 = 80$$

$$5 \times 4 = 20$$

$$80 + 20 = 100$$

Try this method with: 36×3

$$30 \times 3 = \underline{\quad}$$

$$6 \times 3 = \underline{\quad}$$

$$\text{Total: } \underline{\quad} + \underline{\quad} = \underline{\quad}$$

Real-World Applications (25 minutes)

Solve these word problems using two-digit multiplication:

Problem 1: School Supplies

Each student needs 24 colored pencils. If there are 3 classes, how many colored pencils are needed in total?

Working out:

Answer: _____ colored pencils

Problem 2: Basketball Game

Each basket scores 2 points. If a team scores 35 baskets, how many points did they score?

Working out:

Answer: _____ points

Challenge Problems (20 minutes)

Ready for a challenge? Try these special multiplication problems!

Missing Numbers

$$2\Box \times 3 = 72$$

What is the missing digit?

Pattern Finding

Complete the pattern:

$$21 \times 2 = 42$$

$$21 \times 4 = 84$$

$$21 \times 6 = \underline{\quad}$$

Extension: Create Your Own Problem

Design a two-digit multiplication word problem for your classmate to solve:

Final Practice (10 minutes)

Complete these multiplication problems independently:

1. $24 \times 3 = \underline{\quad}$

2. $31 \times 2 = \underline{\quad}$

Today I Learned:

I Need Help With: