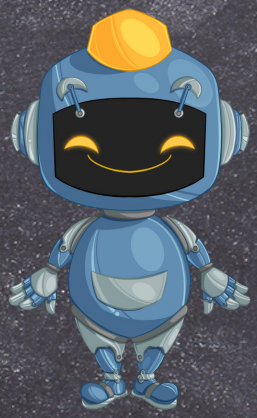
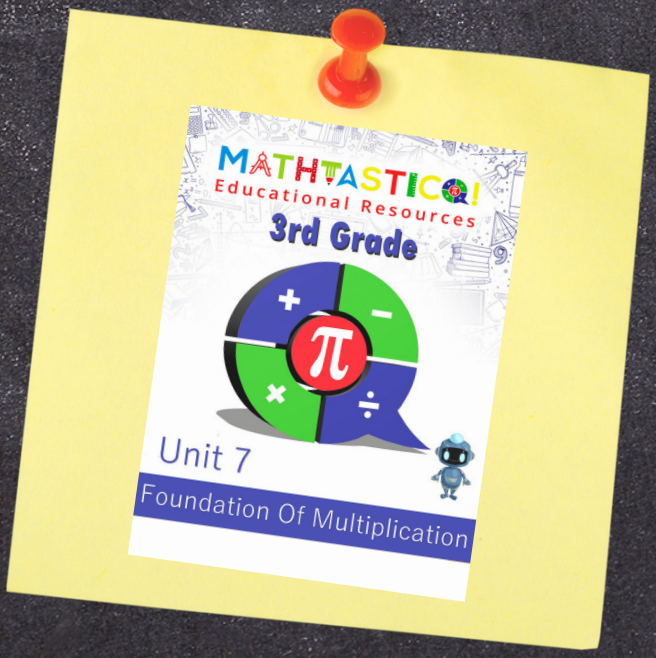
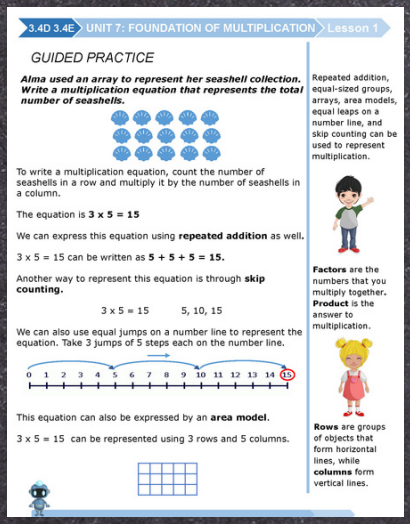
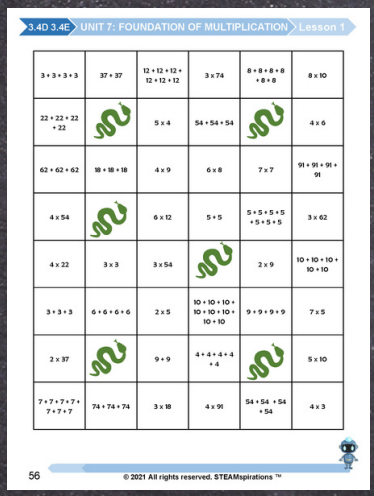
MATH BUNDLE!

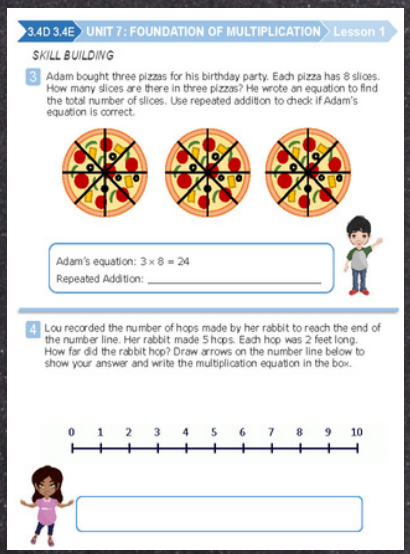
3rd Grade Unit 7

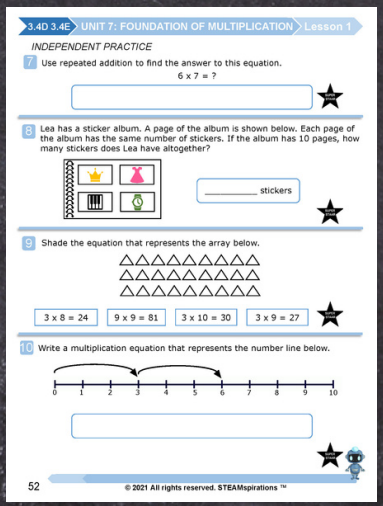










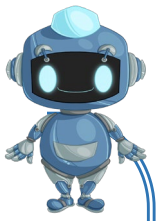


- Games
- Pre-Assessments
- Guided Practice
- Homework Lessons
- Independent Practice
- Checkpoints
- Assessment
- Spiral Review

MATHTASTICO!
Educational Resources

UNIT 7
FOUNDATION OF MULTIPLICATION

3rd GRADE



OBJECTIVE/GOAL

Learn how to **recall** and **represent multiplication facts** using a variety of methods including repeated addition, equal-sized groups, arrays, area models, equal jumps on a number line, and skip counting, as well as how to **find the unknown** whole number in a multiplication equation.

TARGET STANDARD

3.4D Can you determine the total number of objects when equally sized groups of objects are combined or arranged in arrays up to 10 by 10?
3.4E Can you represent multiplication facts by using a variety of approaches such as repeated addition, equal-sized groups, arrays, area models, equal jumps on a number line, and skip counting?
3.4F Can you recall facts to multiply up to 10 by 10 with automaticity?
3.4G Can you use strategies and algorithms, including the standard algorithm, to multiply a two-digit number by a one-digit number; strategies may include mental math, partial products, and the commutative, associative, and distributive properties?
3.5C Can you describe a multiplication expression as a comparison such as 3 x 24 represents 3 times as much as 24?
3.5D Can you determine the unknown whole number in a multiplication equation relating three whole numbers when the unknown is either a missing factor or product?

VOCABULARY

- Area Model
- Array
- Column
- Factor
- Multiplication
- Partial Product
- Product
- Row
- Equal Groups
- Square Unit

QUESTIONS TO GUIDE YOUR THINKING

- What role do area models, arrays, number line jumps, and skip counting play in understanding multiplication?
- What strategies can you use to multiply faster?
- What strategies can you use to determine the unknown number in a multiplication equation?

TRACK YOUR ACCOMPLISHMENTS



CHECKPOINT 1 ☐



CHECKPOINT 2 ☐



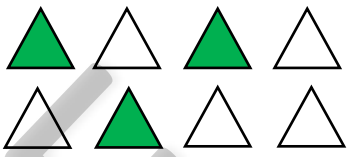
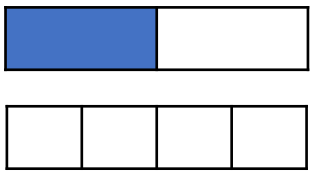
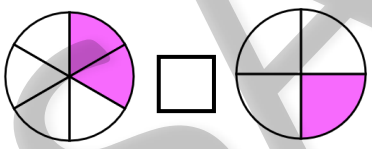
CHECKPOINT 3 ☐



UNIT ASSESSMENT ☐

SAMPLE

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MONDAY	1. What is the place value of 6 in the number below? 576,234 _____	2. Shade the number that will make the inequality true. _____ < 456,709 456,790 456,907 456,709 456,079	3. What fraction of triangles are shaded?  _____
TUESDAY	4. What fraction is represented by ?  _____	5. What unit fraction has a denominator of 3? _____	6. Shade the model below to show an equivalent fraction of $\frac{1}{2}$. 
WEDNESDAY	7. Compare the fractional models using the symbols >, <, or =. 	8. How much money is shown below?  _____	9. Complete the strip diagram below. 850 350 |
THURSDAY	10. "Box in" the numbers that are closer to 200 than 300. 230 250 210 260	11. What is the **estimated sum** of 479 and 122? Round the numbers to the nearest **hundred**. _____	12. Write the missing number in the table below. | Input | Output | | _____ | 75 | | 65 | 62 | | 23 | 20 |

SAMPLE

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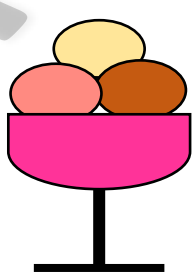
SKILL BUILDING

1 Mrs. Stevens is making shirts. Each shirt needs four buttons. How many buttons will she need for five shirts? Write your answer in the box below.





2 An ice cream shop sold 8 sundaes. Each sundae had 3 scoops of ice cream. How many scoops of ice cream did the shop sell? Write your answer in the box below.





SAMPLE

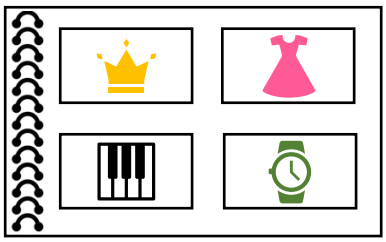
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INDEPENDENT PRACTICE

7 Use repeated addition to find the answer to this equation.

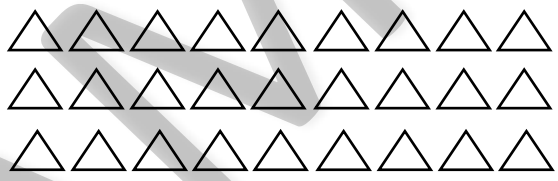
6 x 7 = ?

8 Lea has a sticker album. A page of the album is shown below. Each page of the album has the same number of stickers. If the album has 10 pages, how many stickers does Lea have altogether?



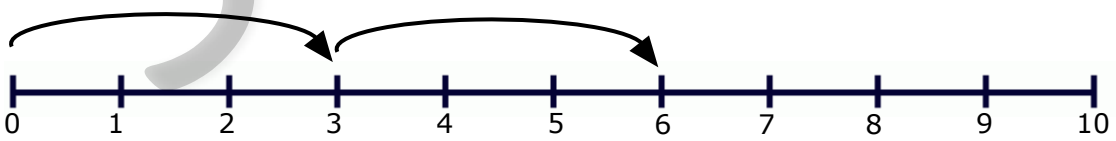
_____ stickers

9 Shade the equation that represents the array below.



3 x 8 = 24	9 x 9 = 81	3 x 10 = 30	3 x 9 = 27

10 Write a multiplication equation that represents the number line below.



SAMPLE

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3 + 3 + 3 + 3	37 + 37	12 + 12 + 12 + 12 + 12 + 12	3 x 74	8 + 8 + 8 + 8 + 8 + 8	8 x 10
22 + 22 + 22 + 22		5 x 4	54 + 54 + 54		4 x 6
62 + 62 + 62	18 + 18 + 18	4 x 9	6 x 8	7 x 7	91 + 91 + 91 + 91
4 x 54		6 x 12	5 + 5	5 + 5 + 5 + 5 + 5 + 5 + 5	3 x 62
4 x 22	3 x 3	3 x 54		2 x 9	10 + 10 + 10 + 10 + 10
3 + 3 + 3	6 + 6 + 6 + 6	2 x 5	10 + 10 + 10 + 10 + 10 + 10 + 10 + 10	9 + 9 + 9 + 9	7 x 5
2 x 37		9 + 9	4 + 4 + 4 + 4 + 4		5 x 10
7 + 7 + 7 + 7 + 7 + 7 + 7	74 + 74 + 74	3 x 18	4 x 91	54 + 54 + 54 + 54	4 x 3

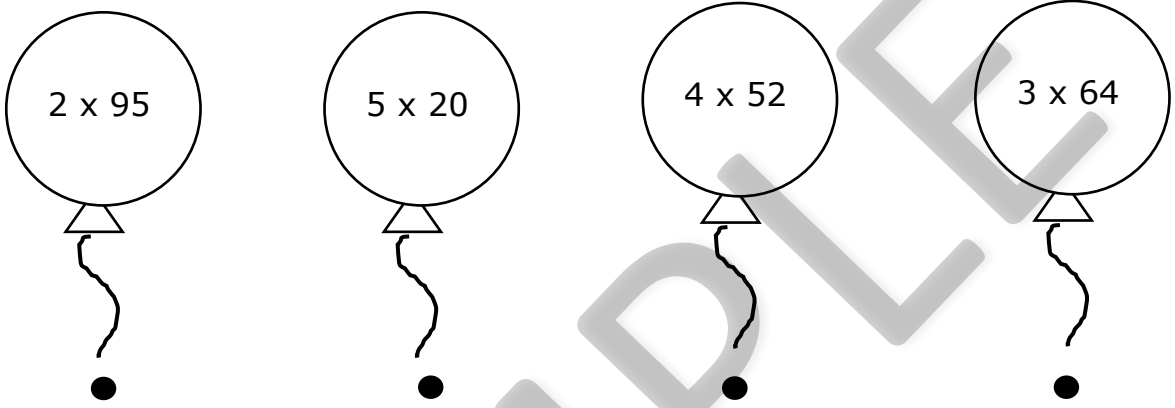
SAMPLE



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SKILL BUILDING

1 Four kids lost their balloons. Help them find their balloons by drawing a line from the balloon to the kid. Match each multiplication expression with the correct description.





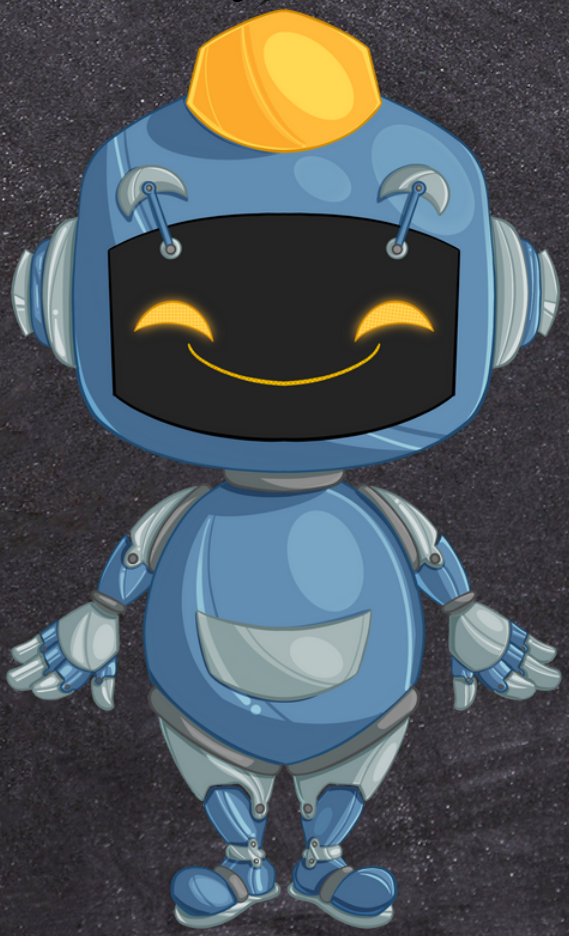
SAMPLE

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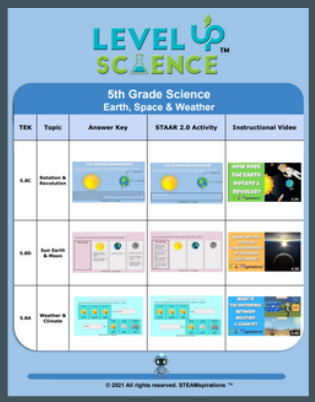
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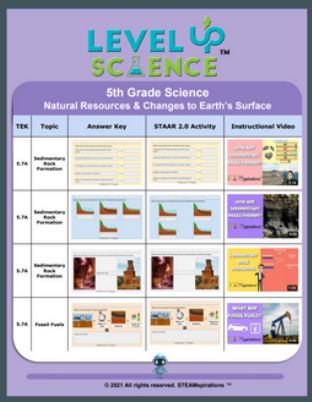


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