

FREE

**PRINT
& GO**

ORDER OF OPERATIONS PUZZLE

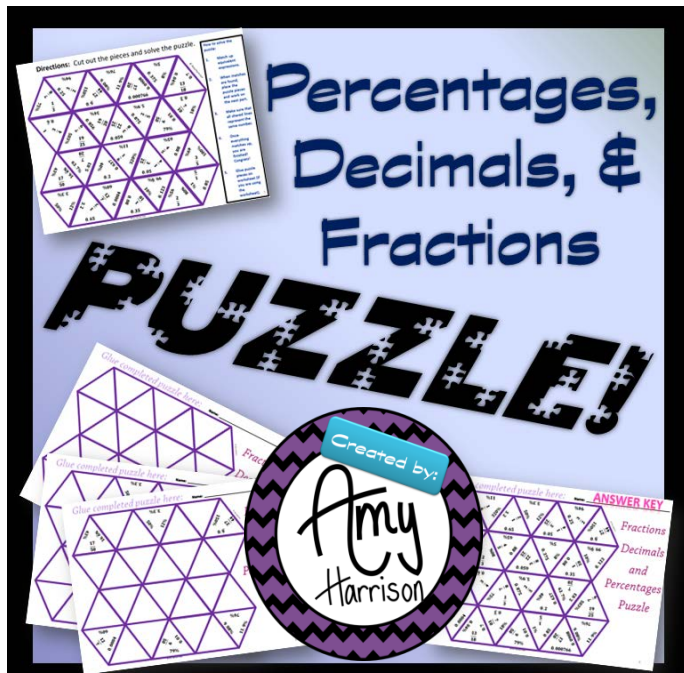
Created by:

Amy
Harrison

GREAT for back to school!

ARE YOU IN A HURRY?

1. PRINT PAGE FIVE ONLY
2. MAKE COPIES OF IT FOR YOUR STUDENTS



*Fun for
Individual
Students
and
Groups!*

<https://www.teacherspayteachers.com/Product/Percent-Decimal-Fraction-Conversions-Triangle-Puzzle-1580825>

*A great
way for
kids
to get up
and
moving:*

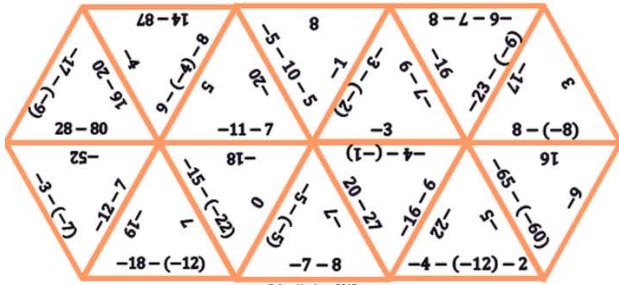


<https://www.teacherspayteachers.com/Product/Ratios-and-Proportional-Relationships-Middle-School-Math-Stations-831991>

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<p style="text-align: center;"><u>STUDENT WORKSHEET</u></p> <p><u>TOP HALF:</u></p> <ul style="list-style-type: none"> A worksheet for students to glue the completed puzzle. There are 4 rectangles on the outer rim of the puzzle to write in the 4 answers that did not have a match. <p><u>BOTTOM HALF:</u></p> <ul style="list-style-type: none"> Puzzle pieces for the students to cut out and arrange on the worksheet from the top half. 	6
<p style="text-align: center;"><u>FULL SHEET STUDENT WORKSHEET (OPTIONAL)</u></p> <ul style="list-style-type: none"> All of the expressions are written out. There is room for the students to show work. The expressions are labeled. <u>THIS WORKSHEET TAKES UP A WHOLE PAGE.</u> The worksheet will help students get organized before completing the puzzle. <i>Consider making this worksheet optional.</i> 	7
<p style="text-align: center;"><u>1/2 SHEET STUDENT WORKSHEET — 2 TO A PAGE (OPTIONAL)</u></p> <ul style="list-style-type: none"> All of the expressions are written out. There is room for the students to show work. The expressions are labeled. <u>THIS WORKSHEET TAKES UP 1/2 OF A PAGE. IT CAN BE COPIED TWO TO A PAGE TO SAVE INK.</u> The worksheet will help students get organized before completing the puzzle. <i>Consider making this worksheet optional.</i> 	8
<p><u>1/2 SHEET STUDENT WORKSHEET (2 TO A PAGE) — PUZZLE ONLY</u></p> <ul style="list-style-type: none"> Puzzle pieces for the students to cut out and solve. <p><i>Consider laminating these pieces and storing them in a plastic bag. This way, you can use them every class period, every year! 😊</i></p>	9
<p style="text-align: center;"><u>ANSWER KEY</u></p> <ul style="list-style-type: none"> Completed worksheet from page 5. Completed worksheet from page 7. 	10
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<p><u>AD: CHECK THESE OUT:</u> Slope of a Line Activities</p>	12

Looking for more triangle puzzles?



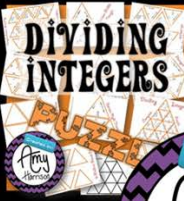
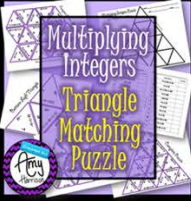
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Integer Operations

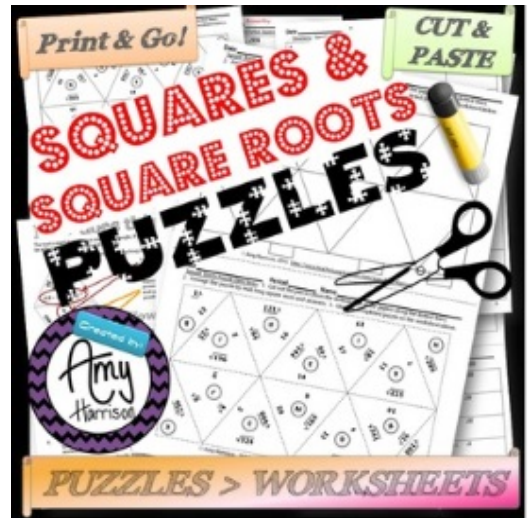
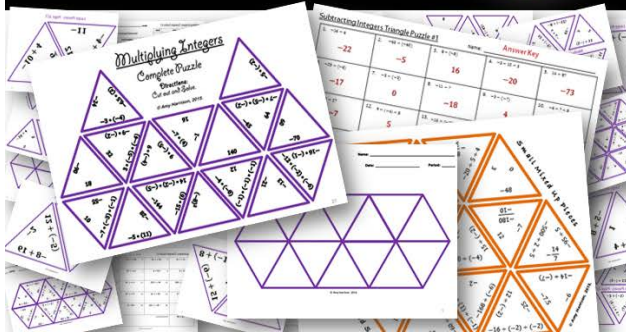
ADDING INTEGERS



Subtracting Integers

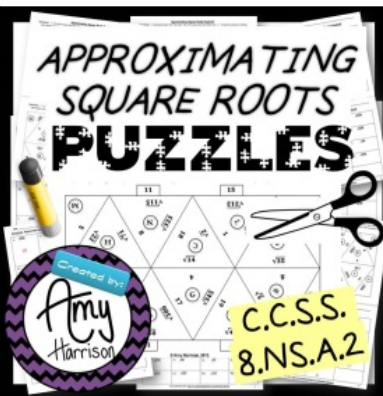


PUZZLES!



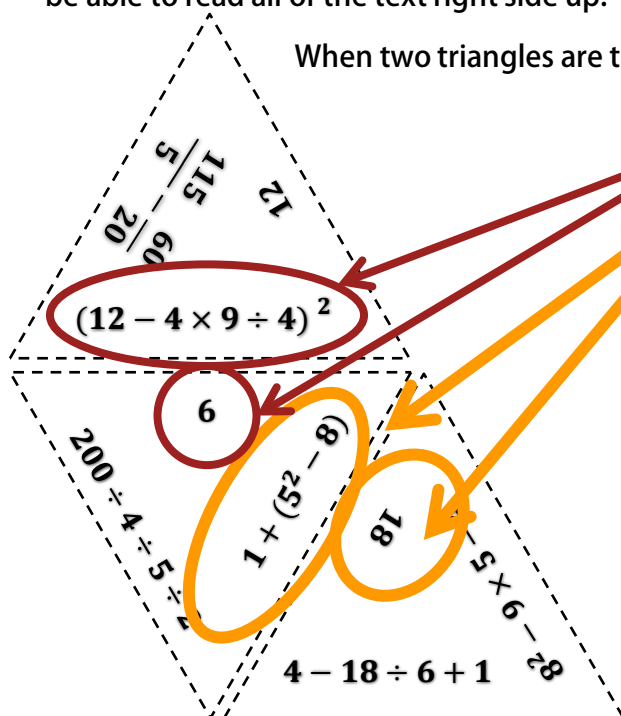
Approximating Square Roots #1

Problem	Answer
1. $\sqrt{100}$	10
2. $\sqrt{144}$	12
3. $\sqrt{169}$	13
4. $\sqrt{196}$	14
5. $\sqrt{225}$	15
6. $\sqrt{256}$	16
7. $\sqrt{289}$	17
8. $\sqrt{324}$	18
9. $\sqrt{361}$	19
10. $\sqrt{400}$	20



How does this work?

The text is read along the outside of the triangle. If you rotate your triangle, you will easily be able to read all of the text right side up.



When two triangles are touching (share a side), they must be a match.

For every spot that the triangles match up, the expression and answer must match up.

There will be expressions and answers that are not used. They will end up along the outer rim of the puzzle with no match. Students will have the chance to write in the answer on the outer rim of the puzzle.

How can you use this activity?

- INDEPENDENT PRACTICE
- GROUP WORK
- HOMEWORK
- ASSESSMENT
- REVIEW

How to solve the puzzle:

1. Solve each expression to find the answer.
2. Match up expressions with the correct answer.
3. When matches are found, place the puzzle pieces and work on the next part.
4. Make sure that all shared lines represent the same number.
5. Once everything matches up, you are finished! Congrats!
6. Glue puzzle pieces on worksheet.

What can you do about early finishers?

- Give students some blank triangles. Once they have finished the puzzle, they can continue the puzzle with expressions and answers of their own.
- See who can add on the most triangles before time expires.

BONUS: You can now use these cards in the future.

Specific Ways to Use This Activity:

Option 1: Use this activity to mix things up! Print *page 5*, and *page 6*. Then, have students complete the puzzle, glue it on the worksheet, and turn it in as an assignment. If you have any students that do not want to do they can write down all of the problems on one notebook paper and solve them. There is an optional worksheet that will help your students get organized. Later, you can display these assignments.

Option 2: Print, cut out, and laminate the puzzle pieces. Then, store in plastic baggies. Distribute to students in groups to solve the puzzle. See who can solve it the quickest!

Order of Operations Puzzle Directions: 1. Cut out the pieces (from the bottom half of the paper) along the dotted lines. 2. Arrange the puzzle by matching expressions and answers. 3. Glue the completed puzzle on the worksheet below.



<p>1</p> <p>$65 - 5 \times 2 - 7$</p> <p>18</p> <p>$4 - 18 \div 6 + 1$</p>	<p>0</p> <p>F</p> <p>$6 + 100 \div 25 + 9$</p> <p>16</p> <p>$82 - 9 \times 5 - 4$</p>	<p>9</p> <p>B</p> <p>$\frac{7}{63} - 2 \times 3$</p> <p>15</p> <p>9</p>
<p>2</p> <p>D</p> <p>$6 + (15 - 23)$</p> <p>20</p> <p>$(3 + 9) \div (6 \times 9) \div (2(5)2)$</p>	<p>12</p> <p>J</p> <p>$\frac{115}{5} - \frac{60}{20}$</p> <p>200</p> <p>$200 \div 4 \div 5 \div 2$</p>	<p>17</p> <p>C</p> <p>$(8 - (52) + 1)$</p> <p>5</p>
<p>3</p> <p>K</p> <p>$(5 + 10 \times 5) \div 5$</p> <p>13</p> <p>$8 + 72 - (2 + 3)^2 - 16$</p>	<p>4</p> <p>E</p> <p>9</p> <p>9</p>	<p>11</p> <p>N</p> <p>$49 \div (14 \times 2 \div 4)$</p> <p>32</p> <p>$32 \div 4 \times 6 \times 4$</p>

Directions: Simplify each expression. Show ALL work!Order of Operations Puzzle Expressions

A. $12 \times 5 - 3 \times 20$	B. $\frac{63}{7} - 2 \times 3$	C. $(6^2 - 4^2) \div 5$	D. $6 + (15 - 2^3)$
E1. $200 \div 4 \div 5 \div 2$	E2. $1 + (5^2 - 8)$	F. $4 + 100 \div 25 + 9$	G. $8 + 7^2 - (2 + 3)^2 - 16$
H1. $2(5 \times 9) \div (6 + 3)$	H2. $5 + 6 \times 2 \div 4$	I. $65 \div 5 \times 2 - 7$	J1. $(12 - 4 \times 9 \div 4)^2$
J2. $\frac{115}{5} - \frac{60}{20}$	K. $(5 + 10 \times 5) \div 5$	L1. $4 - 18 \div 6 + 1$	L2. $8^2 - 9 \times 5 - 4$
M. $16^2 - 15^2 - 25$	N1. $49 \div (14 \times 2 \div 4)$	N2. $32 \div 4 \times 6 \div 4$	

Date _____ Period _____ Name _____

Directions: Simplify each expression. Show ALL work!

Order of Operations Puzzle Expressions

A. $12 \times 5 - 3 \times 20$	B. $\frac{63}{7} - 2 \times 3$	C. $(6^2 - 4^2) \div 5$	D. $6 + (15 - 2^3)$
E1. $200 \div 4 \div 5 \div 2$	E2. $1 + (5^2 - 8)$	F. $4 + 100 \div 25 + 9$	G. $8 + 7^2 - (2 + 3)^2 - 16$
H1. $2(5 \times 9) \div (6 + 3)$	H2. $5 + 6 \times 2 \div 4$	I. $65 \div 5 \times 2 - 7$	J1. $(12 - 4 \times 9 \div 4)^2$
J2. $\frac{115}{5} - \frac{60}{20}$	K. $(5 + 10 \times 5) \div 5$	L1. $4 - 18 \div 6 + 1$	L2. $8^2 - 9 \times 5 - 4$
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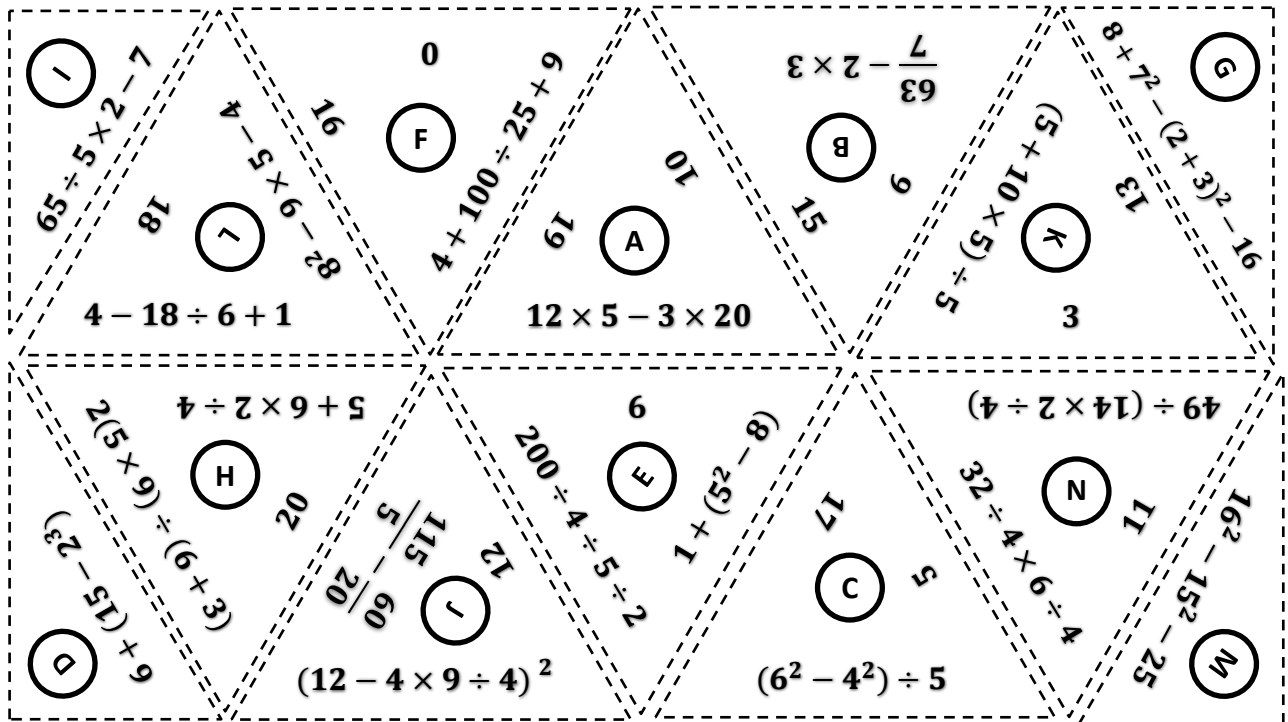
Directions: Simplify each expression. Show ALL work!

Order of Operations Puzzle Expressions

A. $12 \times 5 - 3 \times 20$	B. $\frac{63}{7} - 2 \times 3$	C. $(6^2 - 4^2) \div 5$	D. $6 + (15 - 2^3)$
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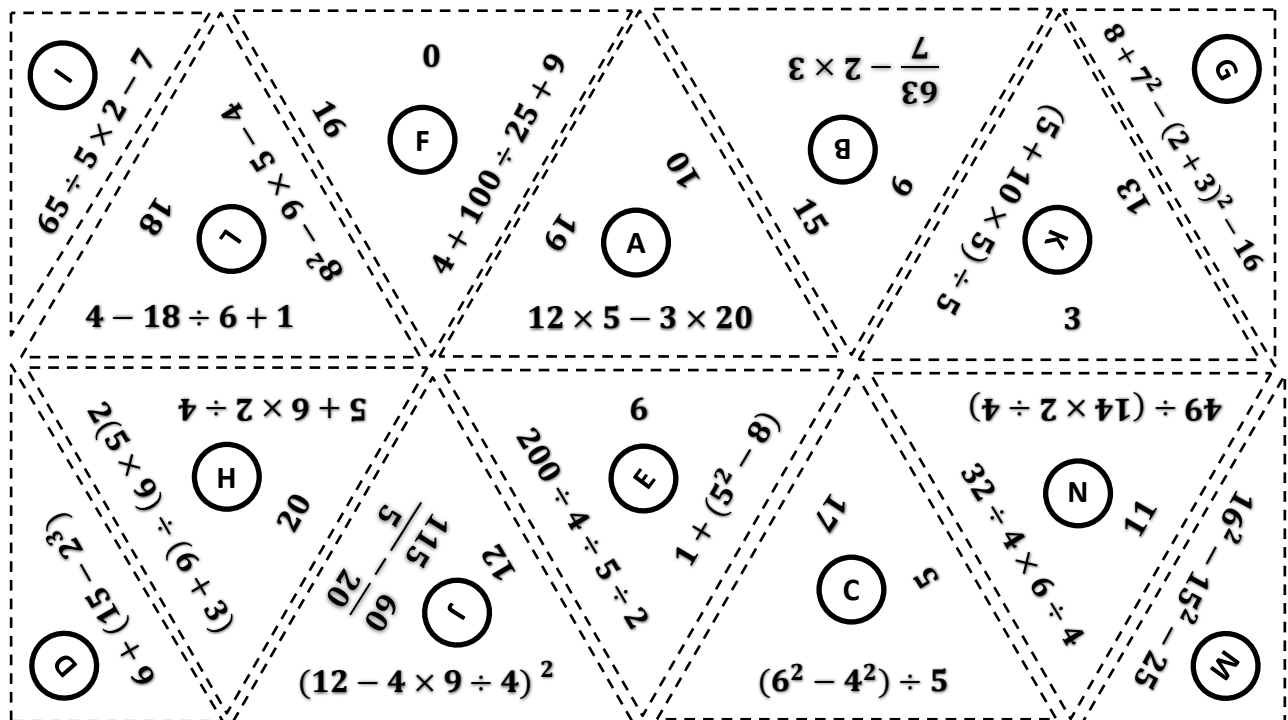
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- Order of Operations Puzzle Directions: 1. Cut out the pieces along the dotted lines.
2. Arrange the puzzle by matching expressions and answers.



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- Order of Operations Puzzle Directions: 1. Cut out the pieces along the dotted lines.
2. Arrange the puzzle by matching expressions and answers.



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Date _____ Period _____ Name _____ **Answer Key**

Order of Operations Puzzle Directions: 1. Cut out the pieces (from the bottom half of the paper) along the dotted lines.
2. Arrange the puzzle by matching expressions and answers. 3. Glue the completed puzzle on the worksheet below.

8		7	
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>I</p> <p>$65 \div 5 \times 2 - 7$</p> <p>A</p> <p>$12 \times 5 - 3 \times 20$</p> </div> <div style="width: 45%;"> <p>H</p> <p>$2(5 \times 9) \div (6 + 3)$</p> <p>J</p> <p>$(12 - 4 \times 9 \div 4)^2$</p> </div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>N</p> <p>$49 \div (14 \times 2 \div 4)$</p> <p>K</p> <p>$(5 + 10 \times 5) \div 5$</p> </div> <div style="width: 45%;"> <p>D</p> <p>$6 + (15 - 2^3)$</p> </div> </div>		
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>F</p> <p>$8 + 7^2 - (2 + 3)^2 - 16$</p> <p>G</p> <p>$4 + 100 \div 25 + 9$</p> </div> <div style="width: 45%;"> <p>E</p> <p>$200 \div 4 \div 5 \div 2$</p> <p>C</p> <p>$(6^2 - 4^2) \div 5$</p> </div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>B</p> <p>$3 \times 2 - \frac{7}{3}$</p> <p>L</p> <p>$4 - 18 \div 6 + 1$</p> </div> <div style="width: 45%;"> <p>M</p> <p>$16^2 - 15^2 - 25$</p> </div> </div>		
4		2	

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Date _____ Period _____ Name _____ **Answer Key**

Directions: Simplify each expression. Show ALL work!

Order of Operations Puzzle Expressions

A. $12 \times 5 - 3 \times 20$ 0	B. $\frac{63}{7} - 2 \times 3$ 3	C. $(6^2 - 4^2) \div 5$ 4	D. $6 + (15 - 2^3)$ 13
E1. $200 \div 4 \div 5 \div 2$ 5	E2. $1 + (5^2 - 8)$ 18	F. $4 + 100 \div 25 + 9$ 17	G. $8 + 7^2 - (2 + 3)^2 - 16$ 16
H1. $2(5 \times 9) \div (6 + 3)$ 10	H2. $5 + 6 \times 2 \div 4$ 8	I. $65 \div 5 \times 2 - 7$ 19	J1. $(12 - 4 \times 9 \div 4)^2$ 9
J2. $\frac{115}{5} - \frac{60}{20}$ 20	K. $(5 + 10 \times 5) \div 5$ 11	L1. $4 - 18 \div 6 + 1$ 2	L2. $8^2 - 9 \times 5 - 4$ 15
M. $16^2 - 15^2 - 25$ 6	N1. $49 \div (14 \times 2 \div 4)$ 7		N2. $32 \div 4 \times 6 \div 4$ 12

**THANK YOU FOR YOUR
PURCHASE!**

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WHEN DESIGNING AND
EDITING PRODUCTS.**

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