Math Review Activity

ORDER OF OPERATIONS

Sequencing Activity

$(7 + 3) \div 2 \times 3^2$

$(10) \div 2 \times 3^2$

$10 \div 2 \times 9$

$14 - 8 + 2 - 6 + 7$

$6 + 2 - 6 + 7$

$8 - 6 + 7$

$2^4 + (81 - 50) + 5$

$2^4 + (31) + 5$

$16 + 31 + 5$

$47 + 5$

$4 \times 12 + 5 \times 8 + 11$

$48 + 5 \times 8 + 11$

$48 + 40 + 11$

$88 + 11$

$(12^2 \div 6) \div 2 \times 1^2$

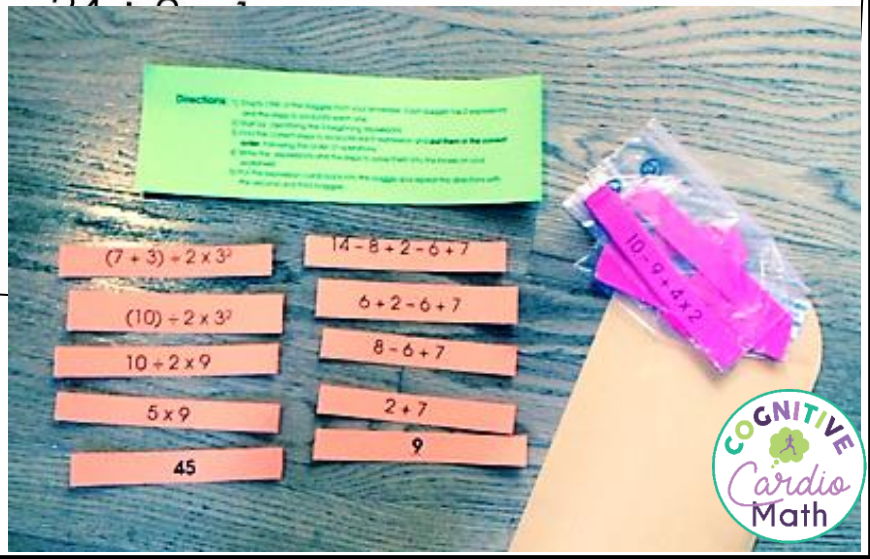
$(144 \div 6) \div 2 \times 1^2$

$24 \div 2 \times 1^2$

$10 - 3^2 + 4 \times 2$

$10 - 9 + 4 \times 2$

$10 - 9 + 8$



Order of Operations
Sequencing Activity

Thanks for downloading this Order of Operations sequencing activity!

This resource includes:

- Student direction sheet (2 sets of directions per page)
- Student recording sheet
- 8 expressions, with their steps to solve
- Recording sheet for Order of Operations War (for fast finishers): students can order of operations flashcards or task cards, if you have them (if you don't, you can select the link to grab them).

To prepare the activity for the students:

1) Copy the expressions and steps onto different colored papers, so two expressions are on the same color.
2) Cut the steps into strips, and then put two expressions and their steps (of the same colored paper) into a baggie.
   - If there's only one equation in a baggie, the activity might be too simple.
   - If there are two expressions of two **different** colors, it would probably be too easy. With two expressions of the same color, students also have to do some sorting of the expressions.
   - If students do need an easier version, use just one expression or expressions of different colors.
3) Put the directions and 3 baggies (6 different expressions and their order of operations steps) into a manila envelope (pictured on cover page) for each group (groups of 2-3).
4) Ask students to do their best to follow the directions before asking for clarification, especially if you are working with other students while some are working on this activity,

This activity was described in detail in this blog post, in case you want to check it out.

If you have any questions at all, or would like a custom color by number for a particular topic, please email me at ellie@cognitivecardiomath.com.

Directions: 1) Empty ONE of the baggies from your envelope. Each baggie has 2 expressions and the steps to evaluate each one.
2) Start by identifying the 2 beginning expressions
3) Find the correct steps to evaluate each expression and **put them in the correct order**, following the order of operations.
4) Write the expressions and the steps to solve them into the boxes on your worksheet.
5) Put the expression cards back into the baggie and repeat the directions with the second and third baggies.

Directions: 1) Empty ONE of the baggies from your envelope. Each baggie has 2 expressions and the steps to evaluate each one.
2) Start by identifying the 2 beginning expressions
3) Find the correct steps to evaluate each expression and **put them in the correct order**, following the order of operations.
4) Write the expressions and the steps to solve them into the boxes on your worksheet.
5) Put the expression cards back into the baggie and repeat the directions with the second and third baggies.

Name _____
Date _____
Period _____

Directions: After putting the steps of the expressions into the correct order, write the expression and the steps to solve them into the boxes below.

1)	2)	3)
4)	5)	6)

Name _____
Date _____
Period _____

To play OOO War: Separate your cards into two piles. Each partner flips a card and finds the answer to his/her own expression. Write your work in the boxes below.
Whoever has the higher answer gets to keep the cards (until math class is over!)
Check each other's work to be sure you are both correct!

1)	2)	3)
4)	5)	6)
7)	8)	9)

$(12^2 \div 6) \div 2 \times 1^2$

$(144 \div 6) \div 2 \times 1^2$

$24 \div 2 \times 1^2$

$24 \div 2 \times 1$

12×1

12

$10 - 3^2 + 4 \times 2$

$10 - 9 + 4 \times 2$

$10 - 9 + 8$

$1 + 8$

9

$(7 + 3) \div 2 \times 3^2$

$(10) \div 2 \times 3^2$

$10 \div 2 \times 9$

5×9

45

$14 - 8 + 2 - 6 + 7$

$6 + 2 - 6 + 7$

$8 - 6 + 7$

$2 + 7$

9

$2^4 + (81 - 50) + 5$

$2^4 + (31) + 5$

$16 + 31 + 5$

$47 + 5$

52

$4 \times 12 + 5 \times 8 + 11$

$48 + 5 \times 8 + 11$

$48 + 40 + 11$

$88 + 11$

99

$28 - 9 \div 3 \times 2^3$

$28 - 9 \div 3 \times 8$

$28 - 3 \times 8$

$28 - 24$

4

$25 - 3^2 + (14 - 9)$

$25 - 3^2 + (5)$

$25 - 9 + 5$

$16 + 5$

21

Thank you!

Thank you so much for downloading this teaching resource! I hope you'll find the materials to be effective in your classroom and beneficial for both you and your students. My goal is to provide you with teacher and student-friendly materials that will help you to help your students be successful in math! If you feel I haven't met my goal, please email me at ellie@cognitivecardiomath.com. If you feel I have met my goal, I'd love to know that as well!

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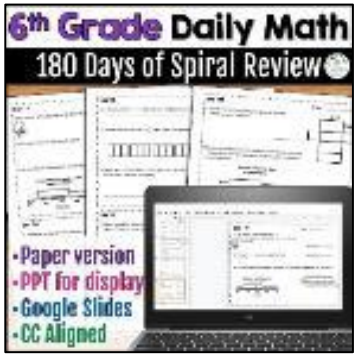

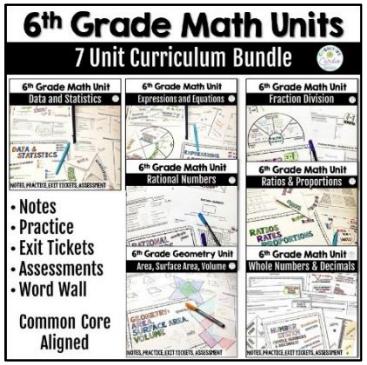

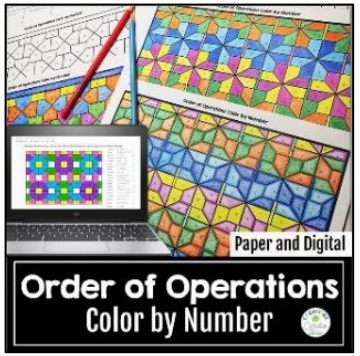

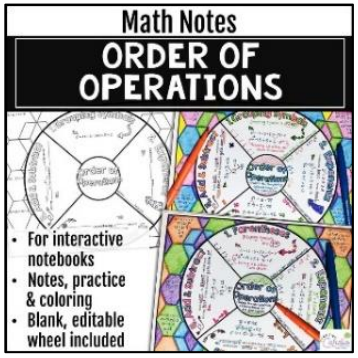

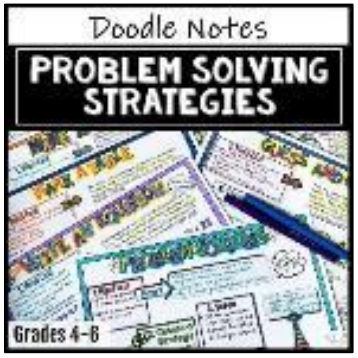

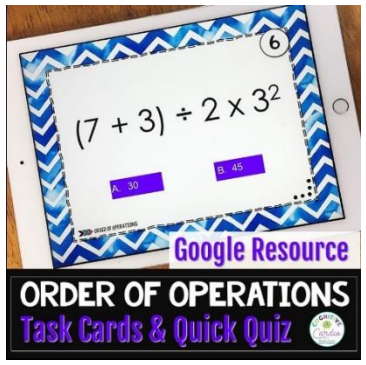

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