STUDENT MATERIALS

TASK 1 – WHO KNOWS THE ORDER

Alexander, Bianca and Chancey each were given the expression $16-2\div2+5$. Each student ended up with something different. Their work and steps are shown below:

Alexander	Bianca	Chauncey
$16-2 \div 2+5$	16-2 ÷ 2+5	$16-2 \div 2+5$
14 ÷ 2 + 5	14 ÷ 7	16 - 1 + 5
7 + 5	2	15 + 5
12		20

Choose the student who performed order of operations correctly and arrived at the correct equivalent expression and check the \square next to "There are no errors" in their feedback below.

For the other two students, explain the error or errors they made in their work .

	Feedback for Alexander	Feedback for Bianca	Feedback for Chauncey
	☐ There are no errors.	☐ There are no errors.	There are no errors.
	Explain any errors:	Explain any errors:	Explain any errors:
	Alexander did the problem going From 1844 to right, but using order or	Subtraction Perfore division Perfore division Order as the wind	
with the same of t	Orcrations.	Ter Office	N,

TASK 2 - GROUP IT!

1. Damond noticed that the two students who did not use order of operations correctly could add grouping symbols so the equations below are true.

Add parentheses to the equations, if necessary, to make them true. Remember that one of the equations is already correct and does not need parentheses because it is already true.

Alexander's Equation:
$$(16 - 2) \div 2 + 5 = 12$$

Bianca's Equation:
$$(16-2)\div(2+5)=2$$

Chauncey's Equation:
$$16-2 \div 2 + 5 = 20$$

2. Create your own problem using parentheses and at least two operations that could be confusing to figure out or simplify if you didn't know how to use order of operations correctly. Show how to simplify the expression correctly. Then show how someone may incorrectly simplify the expression if they didn't understand order of operations.

Your own problem: 7x2 - (4:2)

How to simplify the expression CORRECTLY.

How someone who doesn't understand order of operations may simplify the expression.

REFLECTION

Respond to the following reflection question:

Based on the work you saw today and the feedback you provided, why might it be important to have rules like the order of operations?					
So people don't have completely lifferent ways of completing an early					
DIFFERENT WAYS OF	completing an	COMMin.			
		and the second s			
		MINISTER STATE OF THE STATE OF			
		MATERIAL PROPERTY OF THE PROPE			
		And the second was been about the second and a second and			
**************************************		editrio di den diazzazza a a quante quantunga a qui a que			
		1-0-1-0-1-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0			
		the same of the sa			
		The state of the s			
		reach annual to take any as an any assert any assert assert assert asy and assert asy as a second asy as a sec			
		. Street Delything and the format to the street to the str			
		mpower(Strang COAM) CRESS (COAS) Active 1841			
		Mikappilapine bankangyyyma amananapapapag			