Name .....

MY Homework

Lesson 2
Order of Operations

Homework Helper

eHelp

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Evaluate $\{5^3 \div [1 \times (10 - 5)]\} - 20$.

Write the expression.	$\{5^3 \div [1 \times (10 - 5)]\} - 20$	parentheses 1st
Subtract 5 from 10.	$\{5^3 \div [1 \times 5]\} - 20$	brackets 2nd
Multiply.	$\{5^3 \div 5\} - 20$	
Find 5^3.	$\{125 \div 5\} - 20$	braces 3rd
Divide.	$25 - 20$	
Subtract.	5	

So, $\{5^3 \div [1 \times (10 - 5)]\} - 20 = 5$.

Practice

1. Evaluate $64 \div [4 \times (27 - 5^2)]$.

Write the expression.	$\_\_\_\_ \div [4 \times (\_\_\_\_ - 5^2)]$	
Find 5^2.	$64 \div [4 \times (27 - \_\_\_\_)]$	parentheses 1st
Subtract.	$64 \div [4 \times \_\_\_\_]$	brackets 2nd
Multiply.	$64 \div \_\_\_\_$	
Divide.	$\_\_\_\_$	

So, $64 \div [4 \times (27 - 5^2)] = \_\_\_\_$.

Problem Solving

Mathematical PRACTICE 4 **2. Model Math** Kishauna rode her bike for 35 minutes each on Monday, Wednesday, and Saturday and 55 minutes each on Tuesday and Thursday. Write an expression that shows the total amount of time she spent riding her bike. Then evaluate the expression.

_____

3. Sarah evaluated the expression $[(2^3 \times 4) \div 2] + 2$. What was her answer?

_____

4. Kylie and her three friends equally divided the cost to rent a movie for $4 and order sandwiches for a total of $15. They also have a coupon for $3 off the sandwiches. Evaluate $[(4 + 15) - 3] \div 4$ to find the cost each person will pay.

_____

Vocabulary Check

Vocab

5. Fill in each blank with the correct word to complete the sentence. The rules of the order of operations tells you to multiply and divide in order from _____ to _____.

Test Practice

6. Keiko's class collected money to donate to charity. When Keiko counted the money, there were 140 five-dollar bills, and 255 one-dollar bills. What expression could he use to find out how much money was collected?

Ⓐ $(140 \times \$5) + (255 \times \$1)$

Ⓑ $(140 \times \$1) + (255 \times \$5)$

Ⓒ $(140 + \$5 \times 255 + \$1)$

Ⓓ $140 + \$5 + 255 + \$1$