Name:	
Class/Block:	Date:

Order of Operations

Decide which student accurately evaluated each expression. Explain your reasoning.

1. The students attempted to evaluate: $3 \cdot 7 + 24 \div 3$				
Ava	Billy	Cathy		
$3 \cdot 7 + 24 \div 3$ $21 + 24 \div 3$ $45 \div 3$ 15	$3 \cdot 7 + 24 \div 3$ 21 + 24 ÷ 3 21 + 8 29	$3 \cdot 7 + 24 \div 3$ $3 \cdot 7 + 8$ $3 \cdot 15$ 45		
Explain which student evaluated the expression accurately; use specific details from the students' work.				

2. The students attempted to evaluate: $3(7 + 24) \div 3$				
Abbey	Bruno	Charlotte		
$3(7+24) \div 3 3(31) \div 3 93 \div 3 31$	$3(7 + 24) \div 3 21 + 24 \div 3 45 \div 3 15$	$3(7 + 24) \div 3 \\ 21 + 24 \div 3 \\ 21 + 8 \\ 29$		
Explain which student evaluated the expression accurately; use specific details from the students' work.				

This resource was collaboratively designed by OER in Mathematics Professional Development Project partners from Maine RSU#54 & RSU#11 and staff from Education Development Center, Inc. This work is licensed under the Creative Commons Attribution-Non Commercial-Share Alike 3.0 License.

Name: ______ Date: _____

Decide which student accurately evaluated each expression. Explain your reasoning.

Allyson	Brent	Cynthia
$50-45\div5\bullet3+2$	$50 - 45 \div 5 \bullet 3 + 2$	$50-45\div5\bullet3+2$
$5 \div 5 \bullet 3 + 2$	$50 - 45 \div 15 + 2$	$50 - 9 \cdot 3 + 2$
$1 \cdot 3 + 2$	50 - 3 + 2	50 - 27 + 2
3 + 2	47 + 2	23 + 2
5	49	25

4. The students attempted to evaluate: $\frac{40 - 20 \div 2}{2 + 8}$				
Anna	Barbara	Colby		
$\frac{40-20\div 2}{2+8}$	$\frac{40-20\div 2}{2+8}$	$\frac{40-20\div 2}{2+8}$		
$\frac{40-10}{2+8}$	$\frac{40-10}{2+8}$	$\frac{40-10}{2+8}$		
$\frac{30}{2+8}$	$\frac{30}{2+8}$	$\frac{40-10}{10}$		
$\frac{30}{10}$	15 + 8 23	40 - 1 39		

Explain which student evaluated the expression accurately; use specific details from the students' work.

This resource was collaboratively designed by OER in Mathematics Professional Development Project partners from Maine RSU#54 & RSU#11 and staff from Education Development Center, Inc. This work is licensed under the Creative Commons Attribution-Non Commercial-Share Alike 3.0 License.

