Name:		
Class/Block:	Date:	



Order of Operations

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

1. The students attempted to evaluate: $4 \cdot 5 + 12 \div 4$				
Ava	Billy	Cathy		
$4 \cdot 5 + 12 \div 4$ 20 + 12 ÷ 4 32 ÷ 4 8	$4 \cdot 5 + 12 \div 4$ 20 + 12 ÷ 4 20 + 3 23	$ \begin{array}{r} 4 \bullet 5 + 12 \div 4 \\ 4 \bullet 5 + 12 \div 4 \\ 4 \bullet 5 + 3 \\ 4 \bullet 8 \\ 32 \end{array} $		
Explain which student evaluated the expression accurately; use specific details from the students' work.				

2. The students attempted to evaluate: $2(6 + 18) \div 2$				
Abbey	Bruno	Charlotte		
$2(6 + 18) \div 2 \\ 12 + 18 \div 2 \\ 30 \div 2 \\ 15$	$2(6 + 18) \div 2 2(24) \div 2 48 \div 2 24$	$2(6+18) \div 2 \\ 12+9 \\ 28$		
Explain which student evaluated the expression accurately; use specific details from the students' work.				

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

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: ______

Г

3. The students attempted to evaluate: $55 - 50 \div 5 \cdot 3 + 4$				
Allie	Bart	Candy		
$55 - 50 \div 5 \bullet 3 + 10$	$55 - 50 \div 5 \bullet 3 + 10$	$55 - 50 \div 5 \bullet 3 + 10$		
$5 \div 5 \bullet 3 + 10$	$55 - 50 \div 15 + 10$	$55 - 10 \cdot 3 + 10$		
$1 \cdot 3 + 10$	$55 - 50 \div 25$	55 - 30 + 10		
3 + 10	55 - 2	25 + 10		
13	53	35		
Explain which student evaluated the expression accurately; use specific details from the students' work.				

4. The students attempted to evaluate: $\frac{50 - 20 \div 2}{4 + 6}$			
Andrew	Betty	Cole	
$\frac{50-20\div 2}{4+6}$	$\frac{50-20\div 2}{4+6}$	$\frac{50-20\div 2}{4+6}$	
$\frac{50-10}{4+6}$	$\frac{50-10}{4+6}$	$\frac{30 \div 2}{4+6}$	
$\frac{40}{4+6}$	$\frac{40}{4+6}$	$\frac{15}{10}$	
$\frac{40}{10}$	10 + 6 16	$\frac{3}{2}$	
4	······································	1.5	

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.



٦