Name: $\qquad$
Class/Block: $\qquad$ Date: $\qquad$

## Order of Operations

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

| 1. The students attempted to evaluate: $\mathbf{4} \bullet \mathbf{5}+\mathbf{1 2} \div \mathbf{4}$ |  |  |
| :---: | :---: | :---: |
| Ava | Billy | Cathy |
| $4 \cdot 5+12 \div 4$ | $4 \cdot 5+12 \div 4$ | $4 \cdot 5+12 \div 4$ |
| $20+12 \div 4$ | $20+12 \div 4$ |  |
| $32 \div 4$ | $20+3$ | $4 \cdot 5+12 \div 4$ |
| 8 | 23 | $4 \cdot 5+3$ |
|  | $4 \cdot 8$ |  |

2. The students attempted to evaluate: $\quad \mathbf{2 ( 6 + 1 8 )} \div \mathbf{2}$

| Abbey | Bruno | Charlotte |
| :---: | :---: | :---: |
| $2(6+18) \div 2$ | $2(6+18) \div 2$ | $2(6+18) \div 2$ |
| $12+18 \div 2$ | $2(24) \div 2$ | $12+9$ |
| $30 \div 2$ | $48 \div 2$ |  |
| 15 | 24 | 28 |
|  |  |  |

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

Name: $\qquad$
Class/Block: $\qquad$ Date: $\qquad$
3. The students attempted to evaluate: $\mathbf{5 5} \mathbf{- 5 0} \div \mathbf{5} \cdot \mathbf{3}+\mathbf{4}$

| Allie | Bart | Candy |
| :---: | :---: | :---: |
| $55-50 \div 5 \cdot 3+10$ | $55-50 \div 5 \cdot 3+10$ | $55-50 \div 5 \cdot 3+10$ |
| $5 \div 5 \cdot 3+10$ | $55-50 \div 15+10$ | $55-10 \cdot 3+10$ |
| $1 \cdot 3+10$ | $55-50 \div 25$ | $55-30+10$ |
| $3+10$ | $55-2$ | $25+10$ |
| 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 |
| :---: | :---: | :---: |
| $\frac{50-20 \div 2}{4+6}$ | $\frac{50-20 \div 2}{4+6}$ | $\frac{50-20 \div 2}{4+6}$ |
| $\frac{50-10}{4+6}$ | $\frac{50-10}{4+6}$ | $\frac{30 \div 2}{4+6}$ |
| $\frac{40}{4+6}$ | $\frac{40}{4+6}$ | $\frac{15}{10}$ |
| $\frac{40}{10}$ | $10+6$ | $\frac{3}{2}$ |
| 4 | 16 | 1.5 |

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

