

Name (Answers will vary)

Date _____

Impact of Parentheses ()

Part 1: Place parentheses around any two numbers and an operation, and then solve that expression. Next, solve the entire expression it creates to get the total. Write the final equation.

1. $34 - 8 \times 2$

(Answers will vary)

2. $90 - 45 \div 9$

(Answers will vary)

3. $72 \div 9 \times 2$

(Answers will vary)

4. $18 - 9 + 23$

(Answers will vary)

Part 2: Follow the order of operations by solving the problem in the parentheses, then multiplying or dividing, and finally adding or subtracting. Remember, not all operations will be used in every expression!

5. $34 - (8 \times 2)$

18

6. $90 - (45 \div 9)$

85

7. $2 \times (72 \div 9)$

16

8. $(18 - 9) + 23$

32

Think about it! Why is it important to follow the rules when using parentheses in mathematical expressions? (Consider the solutions in Part 1 and Part 2.)

Answers may vary but can include the idea that the answers will be different if they do not follow the order of operations. If students create new expressions for this question, they may end up with fractional answers when solving the expressions out of order.