

Grouping Power

Solve expressions in the right order.

GRADE 5 • TEKS 5.4.F

5.4.F "simplify numerical expressions that do not involve exponents, including up to two levels of grouping;"

NAME _____

DATE _____

ORDER MATTERS

Do the calculations inside parentheses or brackets first. Then multiply or divide from left to right. Last, add or subtract from left to right.

WORKED EXAMPLE

$$98 - [28 / (9 - 5)]$$

1. $9 - 5 = 4$

2. $28 / 4 = 7$

3. $98 - 7 = 91$

Answer: 91

PRACTICE 6 problems

1 $36 / (8 - 2) + 11 = \underline{\hspace{2cm}}$

ANSWER _____

2 $13 + 3 \times (16 - 10) = \underline{\hspace{2cm}}$

ANSWER _____

3 $(27 - 15) / 2 + 12 = \underline{\hspace{2cm}}$

ANSWER _____

4 $54 / [3 \times (16 - 10)] = \underline{\hspace{2cm}}$

ANSWER _____

5 $63 - (6 \times 6) + 12 = \underline{\hspace{2cm}}$

ANSWER _____

6 $(18 + 24) / (10 - 3) = \underline{\hspace{2cm}}$

ANSWER _____

APPLY IT Show your work

- 1** A game club team earns 56 points in each of 3 rounds. After the rounds, the team loses 24 points for a penalty. What is the team's final score?

WORK SPACE

ANSWER _____

- 2** A bracelet club has 96 beads. The club sets aside 36 beads for a display and shares the rest equally among 6 bracelet-making groups. How many beads does each group get?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Simplify: $84 - [48 \div (14 - 8)] \times 6 = \underline{\hspace{2cm}}$

WORK SPACE AND ANSWER

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	$36 \div (8 - 2) + 11 = \underline{\hspace{1cm}}$	17
2	$13 + 3 \times (16 - 10) = \underline{\hspace{1cm}}$	31
3	$(27 - 15) \div 2 + 12 = \underline{\hspace{1cm}}$	18
4	$54 \div [3 \times (16 - 10)] = \underline{\hspace{1cm}}$	3
5	$63 - (6 \times 6) + 12 = \underline{\hspace{1cm}}$	39
6	$(18 + 24) \div (10 - 3) = \underline{\hspace{1cm}}$	6

PART 2 • APPLY IT

1. **144 points** Multiply 56 by 3 to find the points earned, 168. Subtract the 24-point penalty to get 144 points.
2. **10 beads** Subtract 36 from 96 to find 60 beads left. Divide 60 by 6 to get 10 beads per group.

CHALLENGE

36

Accept work that correctly completes grouping symbols first and follows left-to-right order for multiplication and division, then addition and subtraction. Final answers should match the values shown in the key.