LESSON MAKER PRO

Integer Power Moves

Multiply and divide positive and negative integers.

GRADE 6 · MA.6.NSO.4.2

MA.6.NSO.4.2 "Apply and extend previous understandings of operations with whole numbers to multiply and divide integers with procedural fluency."

NAME _____ DATE _____

SIGN RULES

First, multiply or divide the absolute values. Numbers with the same sign have a positive answer, and numbers with different signs have a negative answer. Check the sign before you write your final answer.

WORKED EXAMPLE

-9 × 4

1. Multiply the absolute values: 9 × 4 = 36.
2. The signs are different, so the answer is negative.

Answer: -36

PRACTICE 6 problems

1 -7 × 6 =

ANSWER _____

2 56 ÷ -8 =

ANSWER _____

3 -5 × -11 =

ANSWER _____

4 -72 ÷ -12 =

ANSWER _____

5 13 × -3 =

ANSWER _____

6 -63 ÷ 7 =

ANSWER _____

APPLY IT Show your work

1 In a video game, a player loses 8 points for each penalty. The player gets 7 penalties. What is the player's total score change?

WORK SPACE

ANSWER _____

2 A skateboard club's team score changed by -84 points over 12 rounds. The change was equal in every round. What was the score change each round?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Evaluate: -96 ÷ (-8 × 2)

WORK SPACE AND ANSWER

ANSWER KEY

Integer Power Moves

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PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	-7 × 6 =	**-42**
2	56 ÷ -8 =	**-7**
3	-5 × -11 =	**55**
4	-72 ÷ -12 =	**6**
5	13 × -3 =	**-39**
6	-63 ÷ 7 =	**-9**

PART 2 · APPLY IT

1. **-56 points** Multiply -8 points per penalty by 7 penalties. The score change is -56 points.
2. **-7 points per round** Divide -84 by 12. The score changed by -7 points each round.

CHALLENGE

6

Accept answers written with or without an equals sign. For word problems, accept the correct integer when the unit is clear.