

1. I can simplify mathematical expressions involving whole numbers using BEDMAS.
2. I can substitute into algebraic expressions using brackets and simplify using BEDMAS.
3. I can represent the INTEGERS on a number line, list 2 places where integers are used, compare integers on a number line, state opposite integers and graph certain integers on a number line, list integers in order.
4. I can ADD 2 integers that appear inside brackets
5. I can ADD more than 2 integers that appear inside brackets.
6. I can ADD integers with no brackets.
7. I can ADD integers with and without brackets.
8. I can SUBTRACT 2 integers inside brackets by “adding the opposite!”
9. I can simplify an addition/subtraction expression by “clearing the junk first!”
10. I can ADD and SUBTRACT integers with and without brackets.
11. I can MULTIPLY and DIVIDE 2 integers.
12. I can MULTIPLY more than 2 integers.
13. I can simplify expressions with EXPONENTS.

KNOWLEDGE & SKILLS

SUB – Substitute Using Brackets!

Integers are positive and negative whole numbers and zero

Positive numbers to the right of zero, negatives to the left of zero

Integers increase in value going left to right on a number line

$$(+1) + (-1) = 0$$

Collect positive integers together, collect negative integers together then add.

No Brackets, it is all adding. The sign goes with the number

To subtract 2 integers, we don't, we add the opposite!

Clearing The Junk? Write down the next integer that will be added with no brackets.

Multiplying/Dividing 2 Integers? Same sign the answer is positive, Different signs the answer is negative

Multiplying More Than 2 Integers, count the number of negative numbers, if even the answer is positive, if odd the answer is negative

Exponents, count the number of negatives

BEDMAS – Brackets, Exponents, Division, Multiplication, Addition, Subtraction