

6.EE.3: Worksheet

1. Which mathematical property tells us that $13 + 2$ and $2 + 13$ are equivalent?
2. Which mathematical property tells us that $11 + (6 + 9)$ and $(11 + 6) + 9$ are equivalent?
3. Write an expression that's equivalent to $6x - 18$? Which mathematical property did you use to create your new expression?
4. Write an expression that is equivalent to $y + 16$.
5. Write two expressions that are equivalent to $(19 - 7)z + z$.
6. Write three expressions that are equivalent to $4(w + 3) - 2$.
7. Write three expressions that are equivalent to $a + a + a$.
8. Use the commutative and associative properties *only* to rewrite the expression $4(b + 2) + 3(d + 1)$ in three different ways.
9. Can you use the distributive property to show that $y + y + y$ and $3y$ are equivalent expressions? Explain.
10. Come up with your own expression and rewrite it in at least five different ways.