

6.EE.5: Worksheet

Solutions

1. All equations are true. Is this true or false?

False.

2. Is the equation $1 + 5 = 3 + 3$ true?

Yes.

3. Is the equation $6(3 + 4) = 42$ true?

Yes.

4. Is the inequality $7(1 + 2^3) \leq 54$ true?

No.

5. If we asked you to solve the equation $x^2 + 14 = 158$, what question are we asking you to answer?

“What value of x would make the equation $x^2 + 14 = 158$ true?”

6. Is the equation $5a - 1 = 14$ true for $a = 3$?

Yes, it is true.

7. Is the equation $100 - b^2 = 80$ true for $b = 10$?

No, it is false.

8. Is the inequality $32 \geq 16f$ true for $f = 2$?

Yes, it is true.

9. Is the inequality $17(3 - x) > 0$ true for $t = 0$?

No, it is false.

10. Is the inequality $5 - x^2 < 4$ true for $x = 1$?

No, it is false.