

One Step Equations Worksheet

Grade Level: 6–8

Subject: Mathematics

Topic: Solving One-Step Equations

Duration: 45 minutes

Materials: Whiteboard and markers

Objectives:

- By the end of the lesson, students will be able to:
- Solve equations using addition, subtraction, multiplication, or division
- Apply inverse operations to isolate variables
- Check their answers by substitution

Lesson Procedure:

1. Introduction (5 min):

- Review what an equation is
- Discuss the goal: to find the value of the variable

2. Direct Instruction (10 min):

- Demonstrate solving one-step equations (e.g., $x + 5 = 12$, $x - 3 = 7$)
- Explain inverse operations and balance

3. Guided Practice (10 min):

- Solve 3–4 problems together as a class
- Call on students to explain their steps

4. Independent Practice (15 min):

- Students complete the worksheet individually
- Encourage showing all work

4. Review & Wrap-Up (5 min):

- Go over a few worksheet problems
- Answer student questions and reinforce key concepts

Assessment:

- **Informal:** Observe participation and responses
- **Formal:** Review worksheet for accuracy and clear steps

Differentiation:

- **Support:** Provide worked examples or equation mats
- **Challenge:** Include equations with negative numbers for early finishers