Adding and Subtracting Fractions (A)

Find the value of each expression in lowest terms.

1. $\dfrac{7}{4} - \dfrac{8}{5}$

2. $\dfrac{23}{2} + \dfrac{9}{4}$

3. $\dfrac{8}{3} - \dfrac{3}{2}$

4. $\dfrac{5}{2} - \dfrac{13}{12}$

5. $\dfrac{3}{2} - \dfrac{9}{7}$

6. $\dfrac{7}{10} + \dfrac{2}{5}$

7. $\dfrac{14}{5} - \dfrac{4}{3}$

8. $\dfrac{17}{7} - \dfrac{5}{3}$

9. $\dfrac{4}{3} - \dfrac{2}{5}$

10. $\dfrac{5}{2} + \dfrac{2}{3}$

11. $\dfrac{9}{8} + \dfrac{5}{6}$

12. $\dfrac{9}{7} - \dfrac{5}{6}$

Operations with Fractions (A)

Calculate the answer to each question.

1. $\dfrac{48}{19} - \left(-\dfrac{31}{11}\right)$

2. $\dfrac{1}{2} - \left(-\dfrac{15}{8}\right)$

3. $\dfrac{11}{10} \div \dfrac{1}{2}$

4. $\dfrac{16}{15} \times \dfrac{18}{11}$

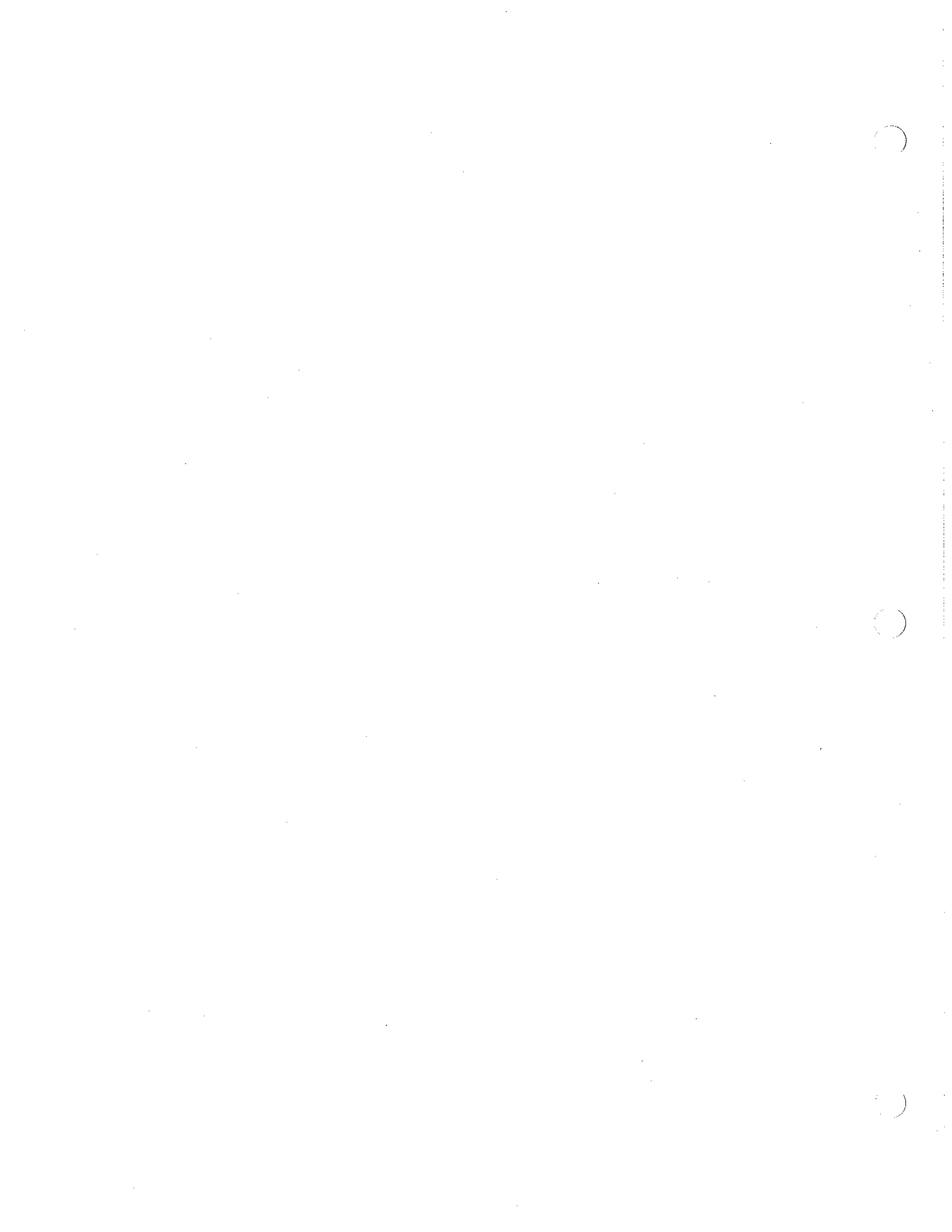5. $\dfrac{13}{11} - \left(-\dfrac{1}{7}\right)$

6. $\left(-\dfrac{3}{7}\right) \div \left(-\dfrac{14}{11}\right)$

7. $\left(-\dfrac{1}{2}\right) \times \dfrac{20}{7}$

8. $\dfrac{11}{5} + \dfrac{1}{11}$

9. $\left(-\dfrac{5}{9}\right) + \dfrac{5}{6}$

10. $\left(-\dfrac{36}{19}\right) + \left(-\dfrac{45}{19}\right)$

Translating Algebraic Phrases (A)

Instructions: Write an algebraic expression for each phrase.

a number decreased by ninety-two _____

the sum of eighty-nine and a number _____

a number added to thirty-six _____

the sum of a number and twenty-six _____

the difference between forty-six and a number _____

the sum of a number and forty-three _____

the quotient of twenty and a number _____

a number increased by sixty-five _____

the sum of seventy and a number _____

a number increased by eighteen _____

fifty-five times a number _____

fourteen times a number _____

a number increased by sixty-five _____

the sum of fifty-two and a number _____

seventy-five more than a number _____