Operations with Fractions (A)

Name: _____ Date: _____ Score: _____

Calculate each result.

1. $\dfrac{7}{2} - \dfrac{9}{7}$ = ⎯⎯ − ⎯⎯ = ⎯⎯ = ⎯⎯

                                       Denominator   Solve   Convert ↓

2. $\left(-\dfrac{4}{3}\right) + \left(-\dfrac{6}{7}\right)$ = ⎯⎯ + ⎯⎯ = ⎯⎯ = ⎯⎯

3. $\left(-\dfrac{1}{2}\right) - \left(-\dfrac{6}{5}\right)$ = ⎯⎯ − ⎯⎯ = ⎯⎯

4. $\dfrac{27}{7} \times \left(-\dfrac{2}{7}\right)$ = ⎯⎯ = ⎯⎯

5. $\dfrac{7}{8} \div \dfrac{10}{9}$ = ⎯⎯ × ⎯⎯ = ⎯⎯

6. $\dfrac{20}{7} - \dfrac{5}{2}$ = ⎯⎯ − ⎯⎯ = ⎯⎯

7. $\left(-\dfrac{3}{2}\right) \div \left(-\dfrac{7}{3}\right)$ = ⎯⎯ × ⎯⎯ = ⎯⎯

8. $\dfrac{7}{3} \times \left(-\dfrac{13}{8}\right)$ = ⎯⎯ = ⎯⎯

9. $\left(-\dfrac{7}{6}\right) \div \dfrac{16}{5}$ = ⎯⎯ × ⎯⎯ = ⎯⎯

10. $\left(-\dfrac{3}{2}\right) \times \dfrac{3}{2}$ = ⎯⎯ = ⎯⎯

Operations with Fractions (A) Answers

Name: _____   Date: _____   Score: _____

Calculate each result.

1. $\dfrac{7}{2} - \dfrac{9}{7} \quad = \quad \dfrac{49}{14} - \dfrac{18}{14} \quad = \quad \dfrac{31}{14} \quad = \quad 2\dfrac{3}{14}$

2. $\left(-\dfrac{4}{3}\right) + \left(-\dfrac{6}{7}\right) = \left(-\dfrac{28}{21}\right) + \left(-\dfrac{18}{21}\right) = \left(-\dfrac{46}{21}\right) = \left(-2\dfrac{4}{21}\right)$

3. $\left(-\dfrac{1}{2}\right) - \left(-\dfrac{6}{5}\right) = \left(-\dfrac{5}{10}\right) - \left(-\dfrac{12}{10}\right) = \dfrac{7}{10}$

4. $\dfrac{27}{7} \times \left(-\dfrac{2}{7}\right) = \left(-\dfrac{54}{49}\right) = \left(-1\dfrac{5}{49}\right)$

5. $\dfrac{7}{8} \div \dfrac{10}{9} \quad = \quad \dfrac{7}{8} \times \dfrac{9}{10} \quad = \quad \dfrac{63}{80}$

6. $\dfrac{20}{7} - \dfrac{5}{2} \quad = \quad \dfrac{40}{14} - \dfrac{35}{14} \quad = \quad \dfrac{5}{14}$

7. $\left(-\dfrac{3}{2}\right) \div \left(-\dfrac{7}{3}\right) = \left(-\dfrac{3}{2}\right) \times \left(-\dfrac{3}{7}\right) = \dfrac{9}{14}$

8. $\dfrac{7}{3} \times \left(-\dfrac{13}{8}\right) = \left(-\dfrac{91}{24}\right) = \left(-3\dfrac{19}{24}\right)$

9. $\left(-\dfrac{7}{6}\right) \div \dfrac{16}{5} = \left(-\dfrac{7}{6}\right) \times \dfrac{5}{16} = \left(-\dfrac{35}{96}\right)$

10. $\left(-\dfrac{3}{2}\right) \times \dfrac{3}{2} = \left(-\dfrac{9}{4}\right) = \left(-2\dfrac{1}{4}\right)$