Operations with Fractions (I)

Name: _____

Date: _____

Score: _____

Calculate each result.

1. $\dfrac{7}{2} \div \dfrac{10}{3}$ = —— × —— = —— = ——

2. $\left(-\dfrac{5}{2}\right) - \left(-\dfrac{14}{5}\right)$ = —— - —— = ——

3. $\left(-\dfrac{2}{5}\right) \div \left(-\dfrac{11}{4}\right)$ = —— × —— = ——

4. $\left(-\dfrac{7}{2}\right) \times \dfrac{1}{2}$ = —— = ——

5. $\left(-\dfrac{4}{3}\right) + \left(-\dfrac{11}{4}\right)$ = —— + —— = —— = ——

6. $\left(-\dfrac{3}{4}\right) \div \left(-\dfrac{19}{5}\right)$ = —— × —— = ——

7. $\left(-\dfrac{1}{5}\right) \times \left(-\dfrac{2}{3}\right)$ = ——

8. $\left(-\dfrac{22}{7}\right) \times \dfrac{5}{9}$ = —— = ——

9. $\dfrac{13}{7} - \left(-\dfrac{10}{9}\right)$ = —— - —— = —— = ——

10. $\dfrac{10}{3} + \dfrac{12}{7}$ = —— + —— = —— = ——

Operations with Fractions (I) Answers

Name: _____ Date: _____ Score: _____

Calculate each result.

1. $\dfrac{7}{2} \div \dfrac{10}{3} = \dfrac{7}{2} \times \dfrac{3}{10} = \dfrac{21}{20} = 1\dfrac{1}{20}$

2. $\left(-\dfrac{5}{2}\right) - \left(-\dfrac{14}{5}\right) = \left(-\dfrac{25}{10}\right) - \left(-\dfrac{28}{10}\right) = \dfrac{3}{10}$

3. $\left(-\dfrac{2}{5}\right) \div \left(-\dfrac{11}{4}\right) = \left(-\dfrac{2}{5}\right) \times \left(-\dfrac{4}{11}\right) = \dfrac{8}{55}$

4. $\left(-\dfrac{7}{2}\right) \times \dfrac{1}{2} = \left(-\dfrac{7}{4}\right) = \left(-1\dfrac{3}{4}\right)$

5. $\left(-\dfrac{4}{3}\right) + \left(-\dfrac{11}{4}\right) = \left(-\dfrac{16}{12}\right) + \left(-\dfrac{33}{12}\right) = \left(-\dfrac{49}{12}\right) = \left(-4\dfrac{1}{12}\right)$

6. $\left(-\dfrac{3}{4}\right) \div \left(-\dfrac{19}{5}\right) = \left(-\dfrac{3}{4}\right) \times \left(-\dfrac{5}{19}\right) = \dfrac{15}{76}$

7. $\left(-\dfrac{1}{5}\right) \times \left(-\dfrac{2}{3}\right) = \dfrac{2}{15}$

8. $\left(-\dfrac{22}{7}\right) \times \dfrac{5}{9} = \left(-\dfrac{110}{63}\right) = \left(-1\dfrac{47}{63}\right)$

9. $\dfrac{13}{7} - \left(-\dfrac{10}{9}\right) = \dfrac{117}{63} - \left(-\dfrac{70}{63}\right) = \dfrac{187}{63} = 2\dfrac{61}{63}$

10. $\dfrac{10}{3} + \dfrac{12}{7} = \dfrac{70}{21} + \dfrac{36}{21} = \dfrac{106}{21} = 5\dfrac{1}{21}$