Name: _____

Order of Operations with Rational Numbers

Evaluate each expression. Write answers in simplest form.

1. $2 + \frac{3}{4} \times \frac{1}{2} =$ _____

2. $\left(-\frac{7}{8} + (-6) \right) \times \left(-\frac{3}{4} \right) =$ _____

3. $1 + \left(-\frac{5}{6} \right) \times \left(-\frac{4}{5} \right) =$ _____

4. $\left(\frac{1}{6} + 2 \right) \times \left(-\frac{3}{8} \right) =$ _____

5. $\left(-2\frac{4}{5} + 9 \right) \times \left(-\frac{1}{2} \right) =$ _____

6. $\left(-\frac{1}{3} + (-9) \right) \times \left(-\frac{1}{2} \right) =$ _____

7. $1 + \frac{1}{5} \times \frac{1}{3} =$ _____

8. $-9 + \left(-\frac{4}{5} \right) \times 1\frac{3}{4} =$ _____

9. $\left(-\frac{1}{4} + 6 \right) \times \left(-\frac{1}{4} \right) =$ _____

10. $2 + \left(-\frac{1}{2} \right) \times \left(-\frac{1}{6} \right) =$ _____

11. $2 + \frac{1}{4} \times \left(-\frac{2}{3} \right) =$ _____

12. $-1 + \frac{1}{4} \times \frac{1}{4} =$ _____

13. $4 + \frac{3}{4} \times \frac{1}{4} =$ _____

14. $-8 + \left(-\frac{2}{3} \right) \times \left(-\frac{2}{5} \right) =$ _____

15. $-8 + \left(-\frac{1}{6} \right) \times \left(-\frac{2}{3} \right) =$ _____

16. $\left(\frac{3}{4} + (-2) \right) \times \left(-\frac{3}{5} \right) =$ _____

Name: **ANSWER KEY**

Order of Operations with Rational Numbers

Evaluate each expression. Write answers in simplest form.

1. $2 + \frac{3}{4} \times \frac{1}{2} =$ $2\frac{3}{8}$

2. $\left(-\frac{7}{8} + (-6)\right) \times \left(-\frac{3}{4}\right) =$ $5\frac{5}{32}$

3. $1 + \left(-\frac{5}{6}\right) \times \left(-\frac{4}{5}\right) =$ $1\frac{2}{3}$

4. $\left(\frac{1}{6} + 2\right) \times \left(-\frac{3}{8}\right) =$ $-\frac{13}{16}$

5. $\left(-2\frac{4}{5} + 9\right) \times \left(-\frac{1}{2}\right) =$ $-3\frac{1}{10}$

6. $\left(-\frac{1}{3} + (-9)\right) \times \left(-\frac{1}{2}\right) =$ $4\frac{2}{3}$

7. $1 + \frac{1}{5} \times \frac{1}{3} =$ $1\frac{1}{15}$

8. $-9 + \left(-\frac{4}{5}\right) \times 1\frac{3}{4} =$ $-10\frac{2}{5}$

9. $\left(-\frac{1}{4} + 6\right) \times \left(-\frac{1}{4}\right) =$ $-1\frac{7}{16}$

10. $2 + \left(-\frac{1}{2}\right) \times \left(-\frac{1}{6}\right) =$ $2\frac{1}{12}$

11. $2 + \frac{1}{4} \times \left(-\frac{2}{3}\right) =$ $1\frac{5}{6}$

12. $-1 + \frac{1}{4} \times \frac{1}{4} =$ $-\frac{15}{16}$

13. $4 + \frac{3}{4} \times \frac{1}{4} =$ $4\frac{3}{16}$

14. $-8 + \left(-\frac{2}{3}\right) \times \left(-\frac{2}{5}\right) =$ $-7\frac{11}{15}$

15. $-8 + \left(-\frac{1}{6}\right) \times \left(-\frac{2}{3}\right) =$ $-7\frac{8}{9}$

16. $\left(\frac{3}{4} + (-2)\right) \times \left(-\frac{3}{5}\right) =$ $\frac{3}{4}$