

MATH 0304 – PRE-ALGEBRA

Perform the indicated operation. Simplify your answer.

1. $6 \cdot \frac{5}{18}$

2. $\frac{5}{8} \div 10$

3. $\left(8\frac{2}{3}\right)\left(4\frac{1}{2}\right)$

4. $9 \div 9\frac{3}{4}$

5. $\left(4\frac{12}{15}\right)\left(2\frac{1}{8}\right)(0)$

6. $\frac{6}{35} \div \frac{3}{7} \div 8$

7. $\left(10\frac{2}{5}\right)\left(4\frac{1}{6}\right)$

8. $\frac{8}{3} \div \frac{5}{6}$

9. $\frac{10}{18} \div \frac{5}{6} \cdot \frac{2}{3}$

10. $10\frac{3}{4} \div 3\frac{6}{8}$

11. $\left(\frac{3}{4}\right)^2$

12. $\left(\frac{1}{5}\right)^3$

13. $\left(\frac{2}{3}\right)^2\left(\frac{81}{2}\right)$

14. $\left(2\frac{2}{3}\right)\left(\frac{8}{9}\right)\left(1\frac{5}{16}\right)$

15. $14\frac{3}{5} \div \frac{0}{10}$

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Solutions:

1. $1\frac{2}{3}$	2. $\frac{1}{16}$	3. 39
4. $\frac{12}{13}$	5. 0	6. $\frac{1}{20}$
7. $129\frac{1}{3}$	8. $3\frac{1}{5}$	9. $\frac{4}{9}$
10. $2\frac{13}{15}$	11. $\frac{9}{16}$	12. $\frac{1}{125}$
13. 18	14. $3\frac{1}{9}$	15. Undefined