

Exercises — Arithmetic of Fractions

1. $\frac{3}{4} \times \frac{5}{2}$

2. $\frac{3}{4} \times \frac{2}{2}$

3. $5 \times \frac{3}{4}$

4. $\frac{3}{4} \div \frac{5}{2}$

5. (a) $\frac{2}{3} \div 4$

(b) $2 \div \frac{3}{4}$

6. $\frac{3}{5} + \frac{5}{3}$

7. $\frac{4}{3} \times \left(\frac{3}{5} + \frac{5}{3}\right)$

8. $-\frac{y+3}{x} \times \frac{x}{5}$

9. $\frac{x}{y} \times \left(\frac{x}{5} + \frac{x}{3}\right)$

10. $\frac{1}{\frac{2}{x} + \frac{2}{y}}$

11. $\frac{x+1}{y} \times \frac{y}{2}$

12. $\frac{3x}{\frac{2}{x} + 4y}$

13. $\frac{y+z}{\frac{2}{x} \times \frac{y}{3}}$

14. $\frac{1}{y+z} \div \left(\frac{2}{x} \times \frac{y}{3}\right)$

15. $\frac{1}{yz} \div \left(\frac{3}{x} + \frac{y}{3}\right)$

16. $(2xy + 1) \times \frac{2x}{\frac{2}{x} + 4y}$