

Simplify each of the following.

1. $\frac{4}{9} + \frac{4}{5}$

2. $\frac{4}{7} - \frac{2}{3}$

3. $\frac{4}{3} \div \frac{3}{7}$

4. $\frac{2}{3} \times \frac{7}{8}$

5. $2\frac{1}{3} + \left(-7\frac{2}{9}\right)$

6. $1\frac{1}{5} - 2\frac{7}{9} \times 3\frac{1}{2}$

7. $2\frac{7}{8} \div 2\frac{8}{7}$

8. $4\frac{1}{2} - 2\frac{1}{4} \div 7\frac{2}{9}$

Simplify each of the following improper fractions

9. $\frac{45}{6}$

10. $\frac{17}{3}$

11. $\frac{16}{12}$

12. $\frac{132}{5}$

13. $\frac{82}{3}$

14. $\frac{78}{5}$

15. $\frac{79}{7}$

16. $\frac{50}{6}$

List two fractions that are equivalent to the following fractions.

17. $\frac{3}{4}$

18. $\frac{5}{9}$

19. $\frac{6}{9}$

20. $\frac{1}{7}$

21. $\frac{2}{8}$

22. $\frac{3}{5}$

Determine if the two fractions given are equivalent.

23. $\frac{4}{7}$ and $\frac{8}{14}$

24. $\frac{6}{8}$ and $\frac{40}{30}$

25. $\frac{9}{4}$ and $\frac{45}{25}$