

分数方程练习题

一、分数方程

1. $\frac{1}{8} + x = \frac{21}{32}$

2. $\frac{1}{9}x + 4 = 5$

3. $\frac{4}{5} + \frac{2}{5}x = 4$

4. $3 - x = \frac{2}{5}$

5. $1 - \frac{1}{3}x = \frac{1}{9}$

6. $5 \times 4\frac{2}{5} - x = 10$

7. $8x - \frac{1}{3} = \frac{1}{9}$

8. $\frac{3}{10}x - 21 \times \frac{2}{3} = 4$

9. $5x - 3 \times \frac{5}{21} = \frac{5}{7}$

10. $x \times \frac{2}{3} = 4 \times \frac{3}{8}$

11. $\frac{5}{8}x = \frac{3}{10}$

12. $0.36 \times \frac{3}{4}x = 27$

13. $(1 - \frac{3}{5}) \div x = 5$

14. $\frac{12}{5} \div x = \frac{3}{10}$

15. $\frac{1}{5} \div x = \frac{3}{10}$

$$16. x \div \frac{4}{5} = \frac{15}{28}$$

$$17. \frac{2}{3}x \div \frac{1}{4} = 12$$

$$18. x \div \frac{2}{7} = \frac{7}{16}$$

$$19. \frac{2}{3}x + \frac{1}{2}x = 42$$

$$20. x - \frac{3}{8}x = 400$$

$$21. x - 0.375x = \frac{5}{6}$$

$$22. \frac{1}{2}x + \frac{2}{5}x = \frac{21}{20}$$

$$23. x - \frac{4}{5}x - 4 = 21$$

$$24. x + \frac{3}{8}x = 121$$

$$25. \frac{2}{5}x - \frac{1}{3}x = \frac{3}{10}$$

$$26. x + \frac{1}{4}x = 20$$

$$27. 1 \div \left(\frac{1}{15} + x\right) = 6$$

分数方程练习题答案

$$1. \frac{1}{8} + x = \frac{21}{32}$$

$$x = \frac{17}{32}$$

$$4. 3 - x = \frac{2}{5}$$

$$x = \frac{13}{5}$$

$$7. 8x - \frac{1}{3} = \frac{1}{9}$$

$$x = \frac{1}{18}$$

$$10. x \times \frac{2}{3} = 4 \times \frac{3}{8}$$

$$x = \frac{9}{4}$$

$$13. (1 - \frac{3}{5}) \div x = 5$$

$$x = \frac{2}{25}$$

$$16. x \div \frac{4}{5} = \frac{15}{28}$$

$$x = \frac{3}{7}$$

$$19. \frac{2}{3}x + \frac{1}{2}x = 42$$

$$x = 36$$

$$22. \frac{1}{2}x + \frac{2}{5}x = \frac{21}{20}$$

$$x = \frac{7}{6}$$

$$25. \frac{2}{5}x - \frac{1}{3}x = \frac{3}{10}$$

$$x = \frac{9}{2}$$

$$2. \frac{1}{9}x + 4 = 5$$

$$x = 9$$

$$5. 1 - \frac{1}{3}x = \frac{1}{9}$$

$$x = \frac{8}{3}$$

$$8. \frac{3}{10}x - 21 \times \frac{2}{3} = 4$$

$$x = 60$$

$$11. \frac{5}{8}x = \frac{3}{10}$$

$$x = \frac{12}{25}$$

$$14. \frac{12}{5} \div x = \frac{3}{10}$$

$$x = 8$$

$$17. \frac{2}{3}x \div \frac{1}{4} = 12$$

$$x = \frac{9}{2}$$

$$20. x - \frac{3}{8}x = 400$$

$$x = 640$$

$$23. x - \frac{4}{5}x - 4 = 21$$

$$x = 125$$

$$26. x + \frac{1}{4}x = 20$$

$$x = 16$$

$$3. \frac{4}{5} + \frac{2}{5}x = 4$$

$$x = 8$$

$$6. 5 \times 4\frac{2}{5} - x = 10$$

$$x = 12$$

$$9. 5x - 3 \times \frac{5}{21} = \frac{5}{7}$$

$$x = \frac{2}{7}$$

$$12. 0.36 \times \frac{3}{4}x = 27$$

$$x = 100$$

$$15. \frac{1}{5} \div x = \frac{3}{10}$$

$$x = \frac{2}{3}$$

$$18. x \div \frac{2}{7} = \frac{7}{16}$$

$$x = \frac{1}{8}$$

$$21. x - 0.375x = \frac{5}{6}$$

$$x = \frac{4}{3}$$

$$24. x + \frac{3}{8}x = 121$$

$$x = 88$$

$$27. 1 \div (\frac{1}{15} + x) = 6$$

$$x = \frac{1}{10}$$