

SOLVING FRACTIONAL EQUATIONS INVOLVING NEGATIVES

Answer all of these questions. Remember to show your working out in all questions.

MAIN QUESTIONS

1. $x/2 = -3$

2. $-x/4 = 5$

3. $3x/5 = -9$

4. $-2x/7 = 8$

5. $(x - 3)/2 = -4$

6. $-(x + 5)/3 = 2$

7. $(2x - 1)/4 = -3$

8. $(-3x + 6)/5 = -2$

9. $x/3 - 1/2 = -5/6$

10. $-x/4 + 2/3 = 5/12$

11. $(x + 2)/3 - (x - 1)/4 = -1$

12. $2/x = -1/3$

13. $-3/x = 2/5$

14. $1/(x + 2) = -1/4$

15. $-2/(x - 3) = 1/5$

16. $(x + 1)/(x - 2) = -3/4$

MASTER QUESTIONS



M1. A number divided by negative four plus three equals negative five. Find the number.

M2. One-third of a negative number decreased by two equals negative seven. What is the number?

- M3.** The reciprocal of a number is negative one-sixth. If three is added to the number, what is the result?
- M4.** A fraction has numerator two less than its denominator. The fraction equals negative three-fifths. Find the fraction.