SOLVING FRACTIONAL EQUATIONS

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

MAIN QUESTIONS

1. $x/2 = 3$

2. $x/3 + 1 = 4$

3. $2x/5 = 4$

4. $3x/4 - 2 = 1$

5. $5x/2 = 15$

6. $x/4 + 3 = 5$

7. $7x/3 = 14$

8. $2x/3 - 1 = 3$

9. $4x/5 = 8$

10. $x/2 + 5 = 8$

11. $3x/7 = 6$

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

13. $6x/5 = 12$

14. $x/3 + 4 = 7$

15. $9x/2 = 27$

16. $2x/7 - 1 = 1$

17. $8x/3 = 16$

18. $x/5 + 2 = 4$

19. $4x/9 = 8$

20. $5x/6 - 3 = 2$

MASTER QUESTIONS

M1. A train travels 300 miles in 5 hours. What is its average speed in miles per hour?

M2. A recipe requires 3/4 cup of sugar for 12 cookies. How much sugar is needed for 36 cookies?

M3. A tank is 2/5 full. After adding 120 litres, it is 3/4 full. What is the total capacity of the tank?

M4. A shop sells a shirt for £24, which is 3/5 of its original price. What was the original price?