SOLVING FRACTIONAL EQUATIONS

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

MAIN QUESTIONS

1.
$$x/2 = 3$$
 $x = 6$ 2. $x/3 + 1 = 4$ $x = 9$

5.
$$5x/2 = 15$$
 $x = 6$ 6. $x/4 + 3 = 5$ $x = 8$

7.
$$7x/3 = 14$$
 $x = 6$ 8. $2x/3 - 1 = 3$ $x = 6$

9.
$$4x/5 = 8$$
 $x = 10$ 10. $x/2 + 5 = 8$ $x = 6$

11.
$$3x/7 = 6$$
 $x = 14$ 12. $5x/4 - 2 = 3$ $x = 4$

13.
$$6x/5 = 12$$
 $x = 10$ 14. $x/3 + 4 = 7$ $x = 9$

15.
$$9x/2 = 27$$
 $x = 6$ 16. $2x/7 - 1 = 1$ $x = 7$

17.
$$8x/3 = 16$$
 $x = 6$ 18. $x/5 + 2 = 4$ $x = 10$

19.
$$4x/9 = 8$$
 $x = 18$ 20. $5x/6 - 3 = 2$ $x = 6$

MASTER QUESTIONS



- 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?