Solving equations with fractions

1. x + 2x = 5

 6 3

 Multiply through by the product of the denominators 🡪 6 x 3

 ~~(6)~~(3)x + (6)~~(3)~~2x = (6)(3)5

 ~~6~~ ~~3~~

 3x + 12x = 90

 15x = 90

 x = 6

2. x + x = 1

 3 2

 Multiply through by the product of the denominators 🡪 3 x 2

3. x - x = 9

 2 5

 Multiply through by the product of the denominators 🡪

4. x - x = 2

 3 5 3

 Multiply through by the product of the denominators 🡪

5. 5 - 7x = 3

 6 2

 Multiply through by the product of the denominators 🡪

6. 2x - x = 4

 3

 Multiply through by the product of the denominators 🡪