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 🡪