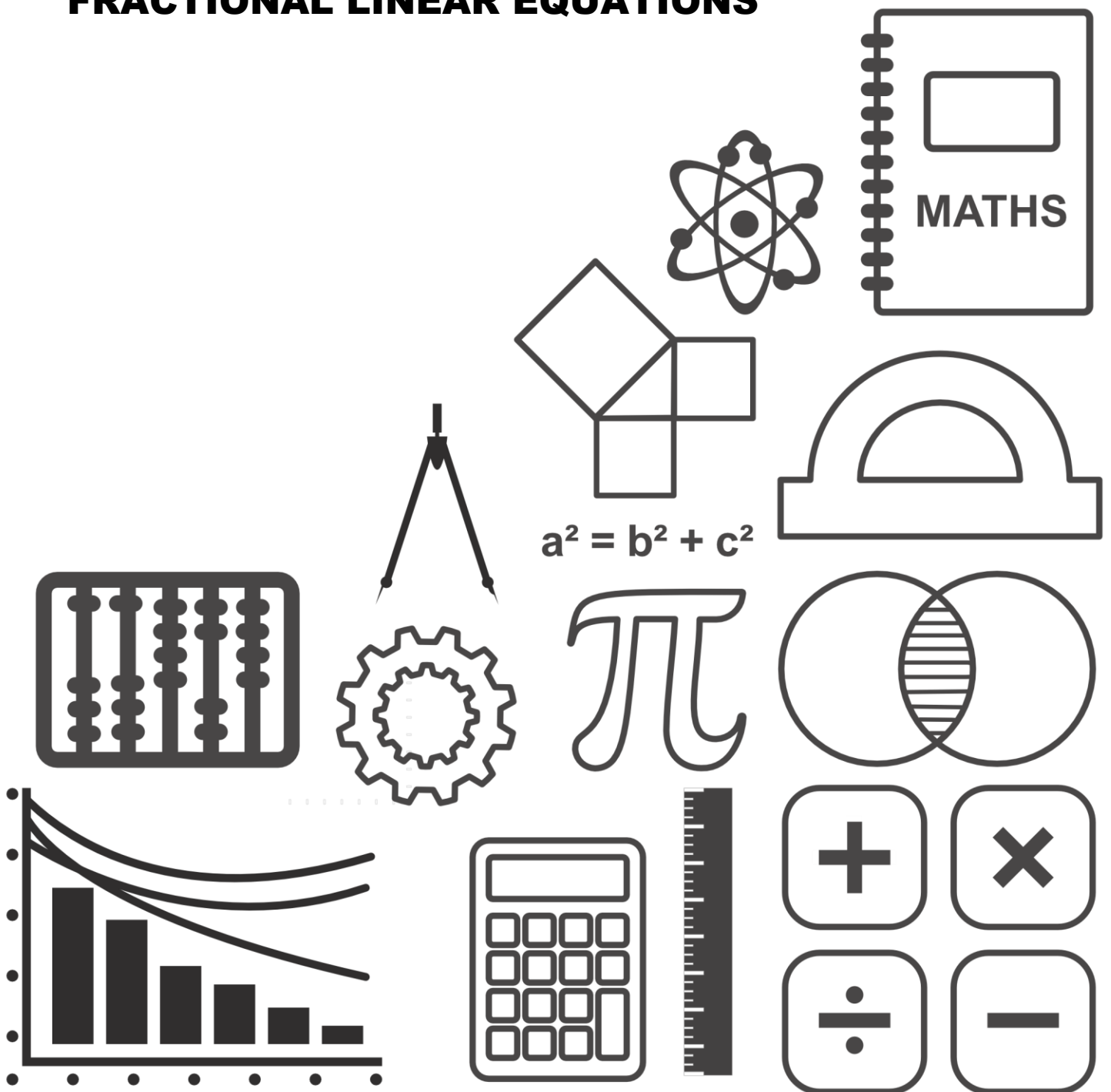


GCSE TOPIC BOOKLET FRACTIONAL LINEAR EQUATIONS



1.

Solve the following equation.

[3]

$$\frac{5x-1}{2} - x = \frac{1}{2}$$

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2.

Solve $\frac{8x-5}{3} + \frac{4x+5}{4} = \frac{149}{12}$.

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[4]

3.

Solve the equation $\frac{12x-1}{5} - \frac{x}{2} = -4$.

[4]

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4.

Solve the following equation.

$$\frac{4x+1}{2} = \frac{5x-2}{3}$$

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5.

(a) Solve the following equation.

$$\frac{3x-1}{4} - \frac{x+6}{3} = \frac{3}{2}$$

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[4]

6.

a) Solve the following equation.

$$\frac{2x+6}{3} - \frac{4x-1}{2} = \frac{1}{2}$$

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[3]

b) Solve the following equation.

$$\frac{15-4x}{7} = 3$$

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[3]

7. Solve the following equation.

$$\frac{2x-5}{3} = 4$$

[3]

8. Solve the following equation.

$$5x + 6 - \frac{4x-1}{2} = 8$$

[3]

9. Solve the following equation.

$$\frac{3x+1}{4} - \frac{2x+1}{2} = \frac{3}{4}$$

[3]

10. Solve the equation

$$\frac{2x+3}{3} - \frac{x-1}{4} = 5.$$

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[4]

11. Solve the following equation.

$$\frac{4x-8}{3} - \frac{x}{6} = 2$$

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[3]

12. Solve the following equation.

$$\frac{4x-1}{4} + \frac{x+8}{2} = \frac{3}{4}$$

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[3]