Q1. (2018)

5 Solve $5(x + 3) < 60$

[2 marks]

Q2. (2019)

17 Toby is forming and solving equations.

17 (b) Toby forms another equation.

$$x = \frac{9}{8x}$$

He wants to work out the values of x.

Here is his working.

$$x = \frac{9}{8x}$$

$$8x^2 = 9$$

$$8x = 3 \text{ or } 8x = -3$$

$$x = \frac{3}{8} \text{ or } x = -\frac{3}{8}$$

What error has he made in his working?

[1 mark]

Q3. (2020)

13 (b) Faisal tries to solve $(x + 2)(x - 7) = 0$

Here is his working.

$$(x + 2) = 0 \text{ or } (x - 7) = 0$$

Answer $x = 2$ or $x = 7$

Give a reason why his answer is wrong.

[1 mark]

Q4. (2021)

8 (a) Solve $5x + 6 > 3x + 15$

[3 marks]

Q5. (2022)

13 Solve $\frac{2w}{15} = \frac{4}{5}$

[2 marks]

$w =$ _____

Q6. (2023)

2 Solve $2x < 26$

[1 mark]

Q7. (2024)

10 (b) Solve $5y + 14 \geqslant 11$

[2 marks]

Q8. (2024)

8 Solve $7x - 22 = 4x + 29$

[3 marks]

$x =$ _____

Q9. (2024)

24 (a) $9k + 7$ and $2k^2 + 3$ are consecutive integers.

$9k + 7$ is the smaller integer.

Work out the value of the **next** consecutive integer.

[5 marks]