

Higher B

Autumn Half Term 1 - Week 1:

- 1 Find the **Highest Common Factor** of 27 and 63
- 2 Find the **nth term** of 5, 8, 11, 14
- 3 Work out $15 + 4 \times 3$
- 4 Work out 43×2.5
- 5 Work out $272 \div 8$
- 6 Work out $\frac{2}{5} + \frac{3}{7}$
- 7 Work out 20% of £34
- 8 **Expand** $4(2x + 3)$
- 9 **Solve** $4x + 5 = 21$
- 10 $y = 3x + 2$ Find the value of y when $x = 4$

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Autumn Half Term 1 - Week 2:

- 1 Find the **Highest Common Factor** of 18 and 48
- 2 Find the **nth term** of 3, 12, 21, 30,
- 3 Work out $15 - 4 \times 3$
- 4 Work out 4.5×32
- 5 Work out $504 \div 9$
- 6 Work out $\frac{3}{5} + \frac{2}{3}$ (answer as a **mixed number**)
- 7 Work out 20% of £42.80
- 8 **Expand** $5(3x - 2)$
- 9 **Solve** $\frac{x}{2} + 5 = 9$
- 10 $y = 5x - 2$ Find the value of y when $x = 3$

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Autumn Half Term 1 – Week 3:

- 1 Find the **Lowest Common Multiple** of 15 and 12
- 2 Find the **nth term** of 11, 20, 29, 38,
- 3 Work out $20 - 4 \div 2$
- 4 Work out 5.8×28
- 5 Work out $520 \div 8$
- 6 Work out $\frac{5}{6} + \frac{4}{5}$ (answer as a **mixed number**)
- 7 Work out 15% of £64.20
- 8 **Expand** $x(2x - 2)$
- 9 **Solve** $\frac{x}{6} - 5 = 1$
- 10 $y = 6 - 2x$ Find the value of y when $x = 5$

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Autumn Half Term 1 - Week 4:

- 1 Find the **Lowest Common Multiple** of 15 and 18
- 2 Find the **nth term** of -3, 0, 3, 6,
- 3 Work out $20 - (4 + 2)$
- 4 Work out 2.3×2.5
- 5 Work out $658 \div 7$
- 6 Work out $\frac{1}{3} - \frac{2}{7}$
- 7 Work out 35% of £240
- 8 **Expand** $3x(x + 7)$
- 9 **Solve** $4x + 5 = x + 11$
- 10 $y = 5x - 3$ Find the value of y when $x = -2$

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Autumn Half Term 1 – Week 5:

- 1 Express 72 as a **product of primes**
- 2 Find the **nth term** of -2, 3, 8, 13
- 3 Work out $20 \times (4 - 2)$
- 4 Work out 3.4^2
- 5 Work out $888 \div 12$
- 6 Work out $1\frac{1}{3} - \frac{4}{5}$
- 7 Work out 90% of £52.00
- 8 **Expand** $3x(10 - x)$
- 9 **Solve** $6x + 5 = 2x - 7$
- 10 $y = 5 - x$ Find the value of y when $x = -2$

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Autumn Half Term 1 – Week 6:

- 1 Express 63 as a **product of primes**
- 2 Find the **nth term** of 1, 4, 9, 16
- 3 Work out $20 - 2 \times (4 + 2)$
- 4 Work out 3.8^2
- 5 Work out $840 \div 15$
- 6 Work out $2\frac{2}{3} - 1\frac{1}{2}$ (as a **mixed number**)
- 7 Work out 85% of £6
- 8 **Expand** and **simplify** $3(x + 3) + 2(2x - 1)$
- 9 **Solve** $4x - 10 = 2x - 6$
- 10 $y = 10 - 2x$ Find the value of y when $x = -4$