HB3.1

1) Solve $\frac{5x-3}{4} = x - 4$

2) Expand and simplify $5(2a + 3b) - 2(3a - 4b)$

3) Work out $2\frac{3}{4} \times 1\frac{2}{3}$

4) Work out $350 \div 0.7$

5) Work out $5 + 2 \times 3^2 - 2$

HB3.2

1) Complete 6 cm² = ……. mm²

2) Evaluate $2^3 \times 3^4$

3) Express 216 as a product of prime factors and hence show it is a cube number

4) Make x the subject of $y = \frac{x}{a} - b^2$

5) Calculate the area of a circle with radius 6 cm. Leave your answer in terms of π

HB3.3

1) Solve $\frac{5x+2}{3} = x - 7$

2) Expand and simplify $3(4a - b) + 5(2a - 3b)$

3) Work out $2\frac{3}{4} - 1\frac{2}{3}$

4) Work out $8.31 \div 0.3$

5) Work out $5 - (3 + 2)^2 \times 4$

HB3.4

1) Complete 600 cm² = ……. m²

2) Evaluate $5^3 \times 2^2$

3) Express 729 as a product of prime factors and hence show it is a cube number

4) Make x the subject of $y = \frac{b}{x} - a$

5) Calculate the area of a semi-circle with radius 8 cm. Leave your answer in terms of π

HB3.5

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

2) Expand and simplify $3(4a - b) - 5(a - 2b)$

3) Work out $5\frac{3}{7} + 6\frac{2}{3}$

4) Work out $7.92 \div 0.9$

5) Work out $8 + (2 \times 5^2)^2$

HB3.6

1) Complete 200 cm² = ……. mm²

2) Evaluate $5^2 \times 2^5$

3) Express 729 as a product of prime factors and hence show it is a square number

4) Make x the subject of $y = a - \sqrt{x}$

5) Calculate the area of a semi-circle with diameter 8 cm. Leave your answer in terms of π