FA3.1

1) Solve the equation $3x - 4 = -19$

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

3) Work out $87 \div 5$

4) Find 25% of £62

5) Divide £40 in the ratio 5:3

FA3.2

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

2) If the nth term of a sequence is $6n - 11$, what is the 10th term?

3) Factorise $20 - 4x$ and factorise fully $6x - 9x^2$

4) Express 1000 as a product of its prime factors

5) How much change from £10 would you get if you spent £3.19 and £1.57?

FA3.3

1) Solve the equation $5x - 7 = 6 + 3x$

2) Expand and simplify $6(2a + b) - 3(a - 2b)$

3) Work out $10 \div 8$

4) Find 95% of £70

5) Divide £121 in the ratio 5 : 6

1)   Work out $4 + 3^2 \times 2$

2)   If the nth term of a sequence is $20n + 25$, what is the 5th term?

3)   Factorise $18x - 27$ and factorise fully $16x^2 - 24x$

4)   Express 88 as a product of its prime factors

5)   How much change from £10 would you get if you spent £5.65 and £2.75?

FA3.5

1) Solve the equation $2x - 18 = 5x + 3$

2) Expand and simplify $6(5a + 3b) + 4(2a - b)$

3) Work out $27 \div 5$

4) Find 35% of £340

5) Divide £90 in the ratio 3 : 2

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

2) If the nth term of a sequence is $2.5n + 7$, what is the 4th term?

3) Factorise $21 - 28x$ and factorise fully $15x^2 + 6x^3$

4) Express 240 as a product of its prime factors

5) How much change from £10 would you get if you bought two items costing £2.74 each?