FA2.1

1) Expand and simplify $5(5x + 4) - 4(x + 2)$

2) Solve the equation $3(2x + 5) = 39$

3) Work out £585 ÷ 13

4) Express 140 as a product of prime factors

5) Find the nth term of the sequence 5, 14, 23, 32, …

1) Find 35% of 220

2) Complete 230mm ……. 60cm

3) Work out the value of $28 - 2a$ when $a = 5$

4) Work out $0.04 \times 0.7$

5) Simplify the ratio 3kg : 800g

FA2.3

1) Expand and simplify $2(2x + 4) + 3(x - 4)$

2) Solve the equation $5(4x + 2) = -70$

3) Work out £282 ÷ 12

4) Express 196 as a product of prime factors

5) Find the nth term of the sequence 20, 34, 48, 62, …

1) Find 90% of 220

2) Complete 1589g ……. 6kg
( <, = or > )

3) Work out the value of $5n - 12$ when $n = 4$

4) Work out $0.05 \times 0.8$

5) Simplify the ratio 250 ml: 2 l        (250 millilitres : 2 litres)

FA2.5

1) Expand and simplify $3(2x - 5) - 2(3x - 10)$

2) Solve the equation $3(4x - 2) = 270$

3) Work out £1012 ÷ 22

4) Express 156 as a product of prime factors

5) If the nth term of a sequence is $5n - 7$, what is the $8^{th}$ term?

1) Find 55% of 420

2) Complete 0.34kg ……. 89g
( <, = or > )

3) Work out the value of $6n - 12$ when $n = 0$

4) Work out 0.03 × 1.1

5) Simplify the ratio 70 cl: 2 l  (70 centilitres : 2 litres)