1) Work out $3.6 \times 10^2 \times 2 \times 10^3$

2) Factorise $x^2 - x - 12$

3) Find the gradient of the line through $(2,7)$ and $(4,13)$

4) Round 0.30496 correct to 2 decimal places

5) Work out $24 \div 0.5$

FAA5.2

1) Express as an inequality, the error interval when x is given as 120 to 2 significant figures

2) Solve simultaneously $2x + y = 0$ and $3x + 2y = 3$

3) Find the 30th term of the sequence -3, 3, 9, 15, …

4) A block of density of 20g/cm³ has a mass of 10g. Calculate its volume

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

1) Work out $(3.6 \times 10^5) \div (2 \times 10^3)$

2) Factorise $x^2 - 9x + 18$

3) Find the gradient of the line through $(12,7)$ and $(14,1)$

4) Truncate 4596 correct to 2 significant figures

5) Work out $360 \div 0.02$

1) Express as an inequality, the error interval when x is given as 120 to the nearest integer

2) Solve simultaneously $3x + 2y = 19$ and $2x + 7y = 24$

3) Find the 50th term of the sequence 7, 16, 25, 34, …

4) A block of volume of 20cm³ has a mass of 5g. Calculate its density in g/cm³

5) Work out $2\frac{2}{3} \div \frac{3}{4}$

1) Work out $(5 \times 10^4) \times (3 \times 10^7)$

2) Factorise $x^2 + 3x - 18$

3) Find the gradient of the line through $(3, 7)$ and $(7, 9)$

4) Truncate 24.836 correct to 1 decimal place

5) Work out $72 \div 0.03$

1) Express as an inequality, the error interval when x is given as 1.2 to 1 decimal place

2) Solve simultaneously $3x + 2y = 1$ and $5x + 3y = 1$

3) Find the 100th term of the sequence 5, 16, 27, 38, …

4) A block of density 20g/cm³ has a mass of 5g.
   Calculate its volume

5) Work out $2\frac{2}{3} + 5\frac{3}{4}$