**Fundamentals to Practice Going into yr 11 (3)**

1. **Arithmetic**. Work out:

$$4\frac{1}{5}×2\frac{6}{7}$$

1. **Percentages**. £1245 are invested with 2.5% interest for a year. Calculate the interest accrued.
2. **Linear Algebra**. Factorise the following
3. $4xy-2x$
4. $5x^{2}-10x$
5. **Quadratic Algebra.** Solve:

$$x^{2}-7x+12=0$$

1. **Volume and Area**. Work out the volume of the prism below.

5 cm

21 cm

12 cm

1. **Pythagoras and Trig**. Work out the side marked with $x$. Give your answer to 1 decimal place

16.3 cm

8.9 cm

$$x$$

1. **Statistics and Probability.** A fair dice is rolled 50 times. How many times do you expect that a 4 is rolled?