Section 1 – Number/Ratio & Proportion (Non calculator)

(1) 12 \times 7

(2) 4 - 9

(3) 48 \div 6

(4) Find \frac{1}{4} of £20

(5) Simplify \frac{4}{12}

(6) Write 0.4 as a fraction.

(7) Find 10% of £60

(8) Round 1.36 to one decimal place.

(9) \frac{1}{3} + \frac{1}{3}

(10) Simplify the ratio 6:3

Section 2 – Shape, Space and Geometry

(1) Draw a kite

(2) Complete the sentence “The angles in a triangle sum to _______ degrees”

(3) Find the area of the rectangle below.

(4) Find the perimeter of the rectangle below.

(5) Draw a diameter and a radius on the circle below.

Section 3 – Statistics & Probability

(1) There are 9 counters in a bag. Four counters are yellow. What is the probability of picking a yellow counter from the bag?

(2) Find the mean of the following numbers: 3, 7, 4, 6

(3) Factorise 3x + 15

(4) Simplify the following: 3p + 2q + p - q

(5) Solve the equation 3x - 1 = 14

(6) Solve the equation \frac{x}{2} = 7

(7) Write down an expression for “three more than x”

(8) Simplify p^3 \times p^2

(9) Pens cost x pence each. Write down an expression for the cost of 8 pens.