

**Section 1 – Number**  
**(Non calculator)**

**Section 2 – Shape,**  
**Space and Geometry**

**Section 3 – Statistics**  
**(Data Handling)**

**Section 4 – Algebra**  
**(Non calculator)**

(1)  $12 \times 7$

(1) Draw a kite

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

(1) Simplify  $x + 2x$

(2)  $4 - 9$

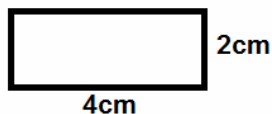
(2) Complete the sentence “The angles in a triangle sum to \_\_\_\_\_ degrees”

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

(2) Solve the equation  $2x = 16$

(3)  $48 \div 6$

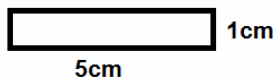
(3) Find the area of the rectangle below.



(3) Factorise  $3x + 15$

(4) Find  $\frac{1}{4}$  of £20

(4) Find the perimeter of the rectangle below.

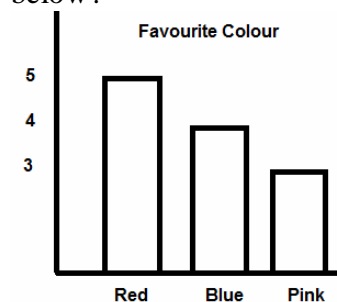
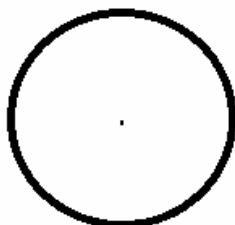


(3) How many people chose Blue or Pink as their favourite colour in the bar chart below?

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

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

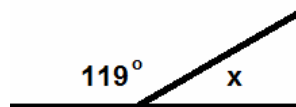
(5) Draw a diameter and a radius on the circle below.



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

(6) Write 0.4 as a fraction.

(6) Find the value of  $x$  below



(4) What is the mode of the numbers below?

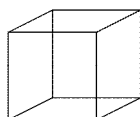
3, 7, 8, 4, 3, 9, 11, 12

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

(7) Find 10% of £60

(8) Round 1.36 to one decimal place.

(7) Draw a net of the cube below.



(5) Is height a continuous or discrete measure?

(6) Complete the table below

Colour	Tally	Frequency
Red		
Blue		7
Green		
Black		4
Other		0

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

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

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

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

(10) Simplify the ratio 6:3