



Q6.	(Total for question = 4 m
Ali has <i>x</i> cards. Belinda has twice as many cards as Ali. Charlie has 5 more cards than Ali.	
They have a total of 33 cards.	
(a) Show that $4x + 5 = 33$	
(b) Work out the number of cards Ali has	(3)
Q7.	(2) (Total for Question is 5 marks)
Kumar has three boxes of counters <i>A</i> , <i>B</i> and <i>C</i> .	
There are x counters in box A. There are $(2x + 7)$ counters in box B. There are $(3x - 4)$ counters in box C.	
There is a total of 75 counters in the three boxes.	
Work out the number of counters in box <i>B</i> .	



Q9.



Here are two rectangles.



All measurements are in centimetres.

The area of rectangle A is equal to the area of rectangle B.

Work out the perimeter of rectangle **B**.

..... cm

7

(Total for question = 5 marks)

Q10.



ABC is a triangle.



Diagram NOT accurately drawn

Angle ABC = angle BCA.

The length of side *AB* is (3x - 5) cm. The length of side *AC* is (19 - x) cm. The length of side *BC* is 2x cm.

Work out the perimeter of the triangle.

Give your answer as a number of centimetres.

..... cm

(Total for Question is 5 marks)

#### Q11.

\* Redlands School sent *x* students to a revision day. St Samuel's School sent twice as many students as Redlands School. Francis Long School sent 7 fewer students than Redlands School.

Each student paid £15 for the revision day. The students paid a total of £1155

Work out how many students were sent by each school to the revision day. You must show all your working.

(Total for question = 5 marks)

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