

Name:	Date:
1 Increase 400 kilograms by 37%.	MNU 407a Bronze Outcome 2
A hot air balloon travels 16.8 miles over a 2 hours 48 mins time period. What was its average speed?	MNU 410a Silver Outcome 3
Calculate the length of the side marked x in the triangle below. 18 cm	MTH 416a Bronze Outcome 2
24 cm ### Find the 'n ^{th'} term for the following sequence and hence find the 10 th term;	MTH 413a Gold Outcome 1
3, -4, -11,	
It takes 4 men 15 hours to fix a road. How long would it take 6 men working at the same rate?	MNU 408a Silver Outcome 1
My score:	



Exam Questions MTH 414b Bronze Outcome 1 Question 1: Factorise 12w + 18. Question 2: MTH 413a Bronze Outcome 1 Sandra is working on the design for a bracelet. She is using matches to make each shape. Shape 2 Shape 4 (a) Draw shape 4. (b) Complete the following table. Shape number (s) Number of matches (m) (c) Find a formula for calculating the number of matches, (m), when you know the shape number, (s). (d) Which shape number uses 61 matches? 2 You must show your working. MTH 417a Bronze Outcome 1 Question 3: DEFG is a kite. • Angle GDF = 69° • Angle EFD = 33° Calculate the size of angle DGF. Question 4: MTH 415a Silver Outcome 1 Solve algebraically the equation 3 17y - 12 = 3y + 44. MTH 416a Bronze Outcome 1 Question 5: (a) Write down the coordinates of the points A and B marked on this (b) Calculate the length of the line joining A to B. Do not measure with a ruler.

My score:

You must show your working.