

Name:	Date:
Decrease 500 centimetres by 40%.	MNU 407a Bronze Outcome 2
Construct an ordered stem and leaf diagram for the information below. Exercise bike times (in minutes)	MTH 421a Silver Outcome 1
42 24 31 29 12 37 28 31 47 33 34 23 15 3	
It takes 4 firemen 40 minutes to extinguish a blaze. How long would it take 10 firemen at the same rate?	MNU 408a Silver Outcome 1
How long would it take Lisa to cycle 16.8 kilometres if she maintained an average speed of 12 kilometres per hour?	MNU 410a Silver Outcome 4
$\begin{tabular}{ll} & \& & \& & \& & \& & \& & \& & \& & \& & \& & $	MTH 416a Silver Outcome 2
29 cm	
My score:	1



Exam Que	estions
Question 1:	MTH 414a Silver Outcome :
Multiply out the brackets and simplify	
6(2n-3)+11. 2	
Question 2:	MTH 416a Bronze Outcome 1
Phil is making a wooden bed frame. The frame is rectangular and measures 195 centimetres by 95 centimetres.	
195 cm 95 cm	
To make the frame rigid, Phil is going to add a piece of wood along one of its diagonals.	
He has a piece of wood 2-2 metres long. Is this piece of wood long enough to fit along the diagonal?	64
Give a reason for your answer. Do not use a scale drawing. 4	
Question 3:	MTH 413a Bronze Outcome 1
An amusement arcade has a lighting effect in the shape of triangles with coloured lights attached.	
The lighting effect can be assembled in sections as shown below.	
1 section 2 sections	
(a) Complete the table below. 2	
Number of sections (s) 1 2 3 4 5 12 Number of coloured lights (c) 6 11 11 11 12	
(b) Write down a formula for calculating the number of coloured lights (ϵ) when you know the number of sections (ϵ).	
when you know the number of sections (s). (c) The amusement arcade's lighting effect uses a total of 116 coloured lights.	
How many sections are in the lighting effect?	
Question 4:	MTH 415a Bronze Outcome :
Solve algebraically the inequality	
3t + 4 > 28.	
Question 5:	MTH 414b Bronze Outcome
Factorise $15a + 12$.	

My score: