



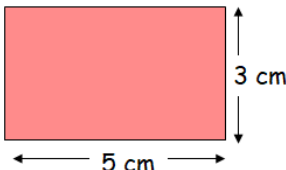


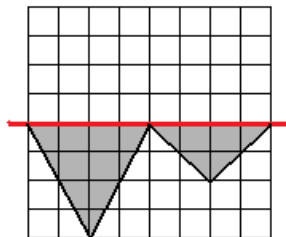




Name:		Date:	
<p>1 Calculate</p> $\begin{array}{r} 48 \cdot 63 \\ + 36 \cdot 57 \\ \hline \end{array}$ $\begin{array}{r} 29 \cdot 36 \\ - 9 \cdot 17 \\ \hline \end{array}$ $\begin{array}{r} 72 \cdot 43 \\ \times 8 \\ \hline \end{array}$ $\begin{array}{r} 3 \overline{) 12 \cdot 81} \end{array}$		<p> MNU 303a Bronze Outcomes 1-4</p>	
<p>2 Solve the following equation.</p> $11x - 5 = 127$		<p> MTH 315a Bronze Outcome 3</p>	
<p>3 Calculate $33\frac{1}{3}\%$ of €27.</p> 		<p> MNU 307a Bronze Outcome 3</p>	
<p>4 Calculate the area of this rectangle.</p> 		<p> MNU 311a Bronze Outcome 2</p>	
<p>5 Complete the shape opposite so that the horizontal line is a line of symmetry.</p>		<p> MTH 319a Bronze Outcome 2</p> 	
My score:			



Name:	Date:												
<div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="text-align: center; margin-right: 10px;"> 1 </div> <div> Calculate the size of the missing angle. </div> </div> <div style="text-align: center;"> </div>	<div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="text-align: center; margin-right: 10px;"> MTH 317a Silver Outcome 2 </div> </div>												
<div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="text-align: center; margin-right: 10px;"> 2 </div> <div> A jeweller demonstrates how different numbers of diamonds can be engraved into rings. </div> </div> <p>The pattern is shown in the table below.</p> <table border="1" style="margin: 10px auto; border-collapse: collapse; text-align: center;"> <tr> <td style="padding: 5px;">no. of rings (R)</td> <td style="padding: 5px;">1</td> <td style="padding: 5px;">2</td> <td style="padding: 5px;">3</td> <td style="padding: 5px;">4</td> <td style="padding: 5px;">23</td> </tr> <tr> <td style="padding: 5px;">diamonds (D) </td> <td style="padding: 5px;">5</td> <td style="padding: 5px;">8</td> <td style="padding: 5px;">11</td> <td style="padding: 5px;">?</td> <td style="padding: 5px;">?</td> </tr> </table> <div style="margin-top: 10px;"> <p>(a) Write a rule to calculate the number of diamonds when given the number of rings.</p> <p>(b) Complete the table.</p> </div>	no. of rings (R)	1	2	3	4	23	diamonds (D)	5	8	11	?	?	<div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="text-align: center; margin-right: 10px;"> MTH 313a Silver Outcome 2 </div> </div>
no. of rings (R)	1	2	3	4	23								
diamonds (D)	5	8	11	?	?								
<div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="text-align: center; margin-right: 10px;"> 3 </div> <div> A bag contains 3 purple balls, 6 red balls, a blue ball and 4 green balls. </div> <div style="margin-left: 20px;"> </div> </div> <p>A ball is chosen at random.</p> <p>What is the probability of choosing a green ball?</p> <p>Give your answer as a fraction in its simplest form.</p>	<div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="text-align: center; margin-right: 10px;"> MNU 322a Silver Outcome 3 </div> </div>												
<div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="text-align: center; margin-right: 10px;"> 4 </div> <div> A rocket flies 2160 kilometres in 6 hrs 45 mins. What is its average speed? </div> <div style="margin-left: 20px;"> </div> </div>	<div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="text-align: center; margin-right: 10px;"> MNU 310a Gold Outcome 3 </div> </div> <div style="text-align: right; margin-top: 20px;"> </div>												
<div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="text-align: center; margin-right: 10px;"> 5 </div> <div> Write down all the factors of 265. </div> </div>	<div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="text-align: center; margin-right: 10px;"> MTH 305a Gold Outcome 2 </div> </div> <div style="text-align: right; margin-top: 20px;"> </div>												
My score:													