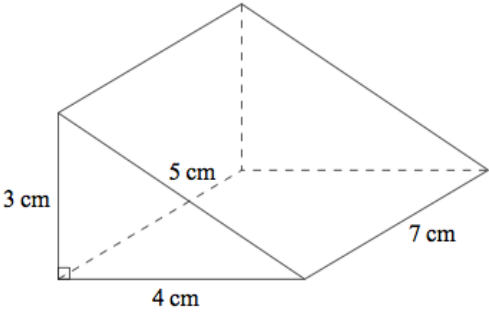
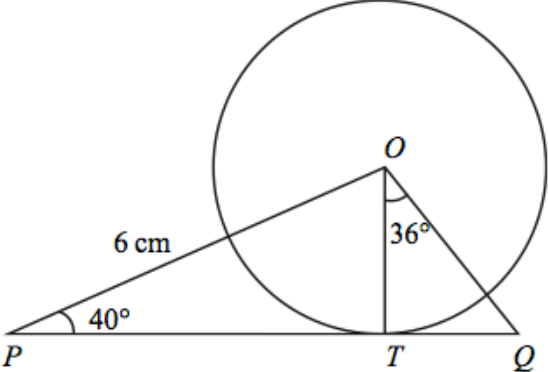


Name: _____

January 26	5-a-day	Higher										
<p>James has a spinner. The probability of each number is:</p> <table border="1" data-bbox="185 383 762 461"> <tr> <td>Number</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <td>Probability</td> <td>0.2</td> <td>0.1</td> <td>0.4</td> <td></td> </tr> </table>	Number	1	2	3	4	Probability	0.2	0.1	0.4			<p>Find the probability of a 4.</p> <p>The spinner is spun 500 times, how many 4's are expected?</p>
Number	1	2	3	4								
Probability	0.2	0.1	0.4									
		<p>Calculate the volume.</p>										
	<p>Calculate OT.</p>											
		<p>Calculate OQ.</p>										
<p>Prove that</p> $(3n + 1)^2 - (3n - 1)^2$ <p>is always a multiple of 6.</p>												