<table>
<thead>
<tr>
<th></th>
<th>5-a-day</th>
<th>Higher</th>
</tr>
</thead>
<tbody>
<tr>
<td>(2x^3 = 250)</td>
<td>Write 150 as a product of primes.</td>
<td></td>
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<tr>
<td>Find (x)</td>
<td></td>
<td></td>
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<tr>
<td>Solve (a^2 - 14a + 49 = 0)</td>
<td>Calculate the volume of the cylinder.</td>
<td></td>
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<tr>
<td>[Diagram of a cylinder with dimensions 10 cm and 3 cm]</td>
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<tr>
<td>There are 10 sweets in a bag.</td>
<td>What is the probability both sweets are the different?</td>
<td></td>
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<tr>
<td>4 are strawberry</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 are lemon</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 is chocolate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Two sweets are chosen at random</td>
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<tr>
<td>The cost of a trip, (c), varies directly to the square root of the number of miles, (m).</td>
<td>What is the cost of a 400 mile trip?</td>
<td></td>
</tr>
<tr>
<td>The cost of a 100 mile trip is £50.</td>
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</tbody>
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