### March 9th 5-a-day Higher

<table>
<thead>
<tr>
<th>y = mx + c</th>
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**make x the subject**

W varies directly to $\sqrt{C}$. If $W = 60$ when $C = 36$, find:

- W when $C = 64$

C when $W = 160$

This can has a mass of 350g to the nearest 10g.

What is the minimum mass of 10 of these cans?

A cone has base with radius 3cm and perpendicular height 5cm.

Calculate its volume