(c) Radius of the drum $= \frac{70}{2} = 35\text{cm}$

$\therefore$ No. of revolution = $\frac{\text{Distance by which the bucket is raised}}{\text{Circumference of the drum}}$

$$= \frac{11 \times 100}{2\pi \times 35} = \frac{11 \times 100 \times 7}{2 \times 35 \times 22} = 5$$

No. of revolutions = 5