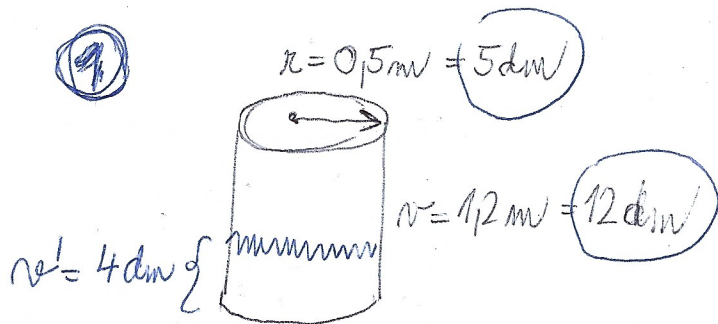


1



$$V = \pi \cdot r^2 \cdot v'$$

$$V = 3,14 \cdot 25 \cdot 4$$

$$V = 3,14 \cdot 100$$

$$V = 314 dm^3(l)$$

$$S = \pi r^2 + 2\pi r v$$

$$S = \pi \cdot r^2 + 2\pi r v$$

$$S = 3,14 \cdot 25 + 6,28 \cdot 5 \cdot 12$$

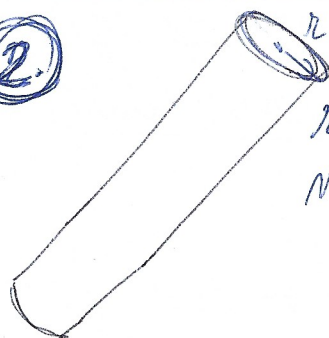
$$S = 78,5 + 376,8$$

$$S = 455,3 dm^2$$

V sudu je 314 litru vody.
 Na výrobu sudu je třeba 455,3 dm² plechu.

$$\begin{array}{r} 3,14 \\ \cdot 25 \\ \hline 1570 \\ 628 \\ \hline 7850 \\ 628 \\ \cdot 60 \\ \hline 37680 \\ 3768 \\ \hline 455,3 \end{array}$$

2



$$S = 2\pi r^2 + 2\pi r v$$

$$S = 2\pi \cdot r \cdot v$$

$$S = 6,28 \cdot 3 \cdot 15$$

$$S = 6,28 \cdot 45$$

$$S = 282,6 dm^2$$

$$\begin{array}{r} 6,28 \\ \cdot 45 \\ \hline 3140 \\ 2512 \\ \hline 28260 \end{array}$$

Na výrobu konvorku bylo třeba 282,6 dm².