## Question

Let take that:
ATC - average total cost;
TC - total cost;
Q - total output;
FC - fixed cost;
VC - variable cost.

We will have:

$$
A T C=\frac{T C}{Q}
$$

$$
\left\{\begin{array}{l}
T C=F C+V C=\left|\begin{array}{l}
F C=\$ 6 \\
V C=7 \cdot \$ 10
\end{array}\right|=\$ 6+7 \cdot \$ 10=\$ 6+\$ 70=\$ 76 \\
Q=Q_{6}+M P_{7}=90+4=94
\end{array} \Rightarrow\right.
$$

$\Rightarrow A T C=\frac{T C}{Q}=\frac{\$ 76}{94}=\$ 0.81$ per unit of output.

Answer: $\$ 0.81$ per unit of output.

