23. $\sqrt[3]{16 y^{3}}$

$$
2 y \sqrt[3]{8} \sqrt[3]{2} \sqrt[3]{y^{3}}
$$

52. What is $\sqrt{39}$ divided by $\sqrt{26}$ ?

$$
\begin{aligned}
& \frac{\sqrt{39}}{\sqrt{26}}=\sqrt{\frac{39}{26}}=13 \sqrt{\frac{3}{2}}- \\
& \quad \frac{\sqrt{3}}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}}=\frac{\sqrt{6}}{\sqrt{4}}=\frac{\sqrt{6}}{2} \\
& \frac{\sqrt{39}}{\sqrt{26}} \cdot \frac{\sqrt{26}}{\sqrt{26}}=
\end{aligned}
$$

$$
\begin{aligned}
& v_{0}=\sqrt{v^{2}-64 h} . \\
& V_{0}=\sqrt{120^{2}-64(225)} \\
& V_{0}=0 \mathrm{ft} / \mathrm{sec} \quad 81.81 \mathrm{mph} \\
& \frac{128 \mathrm{ft}}{1 \mathrm{sec}}\left|\frac{1 \mathrm{mi}}{5880 \mathrm{fF}}\right| \frac{3600 \mathrm{sec}}{1 \mathrm{hr}} \\
& \sqrt{180 a^{2} b^{8}} \\
& \begin{array}{l}
\sqrt{180} \sqrt{a^{2}} \sqrt{58} \\
\sqrt{60} \sqrt{20}|a| b^{4} \\
3.4 \sqrt{5} \\
3.2 \\
6 \sqrt{5}
\end{array}
\end{aligned}
$$

41. $5 \sqrt{20}+\sqrt{24}-\sqrt{180}+7 \sqrt{54}$

$$
\begin{aligned}
& \begin{array}{l}
5 \sqrt{4} \sqrt{5} \sqrt{4} \sqrt{6} \sqrt{36} \sqrt{5} \\
5 \cdot 2
\end{array} \\
& 10 \sqrt{5}+2 \sqrt{9} \sqrt{9} \sqrt{6}-6 \sqrt{5} \\
& 7 \cdot 3
\end{aligned}+\xlongequal{21 \sqrt{6}}=
$$

34. $(3 \sqrt{12})(2 \sqrt{21})$

$$
6 \sqrt{252}
$$

$$
6 \sqrt{36} \sqrt{7}
$$

$$
6.6
$$

$$
36 \sqrt{7}
$$

