


Ex.) An animal walks 100 m in 50.0 s . What is its average speed?

$$
v=\frac{d}{t}
$$

| $d=100 \mathrm{~m}$ <br> $t=50.0 \mathrm{~s}$ <br> $V=?$ <br> list all variables |
| :--- |



Think like a mathematician: The animals' rate of change(slope) is $2 \mathrm{~m} / \mathrm{s}$.
Think like a physicist: The animals average speed is $2.00 \mathrm{~m} / \mathrm{s}$.
$\Delta$-delta: "change in"



Ex.) Shelly walked at a constant speed of $2.00 \mathrm{~m} / \mathrm{s}$ for 3.00 min . If she walked in a straight line, how far did she travel?


$$
\begin{aligned}
& V=2.00 \mathrm{~m} / \mathrm{s} \\
& t=180 \mathrm{~s} \\
& d=? \\
& \text { list all variables }
\end{aligned}
$$



