

## How many ways can you spell HEART?

## H

E E

. Start with H and move down to an E then an $A, R, T$.
. You may only move to one of the two letters directly below the letter you are on.

How many ways can you spell HEART?



How many ways can you spell HEART? 16

| $\begin{gathered} H \\ H A B A \\ R R R R \end{gathered}$ | $\begin{gathered} H \\ H_{A}= \\ R_{T} R R T T T \end{gathered}$ | $\begin{gathered} H_{E} \\ A_{A} A \\ R R_{T} R T T \end{gathered}$ |  |
| :---: | :---: | :---: | :---: |
|  | $\begin{gathered} H \\ E E \\ A R_{A} \\ R T R T T \end{gathered}$ |  | $\begin{gathered} H \\ A E E A \\ A R R R \\ T T T R_{T} \end{gathered}$ |
| $\begin{gathered} H^{H} \\ R^{H} A_{A} \\ T V_{T} \end{gathered}$ | $\begin{gathered} H_{E}^{H} E \\ A A_{A} \\ R T R E T \end{gathered}$ |  |  |
|  | $\begin{aligned} & E^{H}= \\ & A R_{R} \\ & T T R R_{T} \end{aligned}$ | $\begin{gathered} E^{H} \\ A A A \\ R R R G \\ T T T T T \end{gathered}$ | $\begin{gathered} E^{H}= \\ A A H \\ R R R R \\ T T T T H \end{gathered}$ |

