In the game of Power Countdown, you use a set of numbers to make a target number, but unlike the usual Countdown game where you can use ,,$+- \times$ or $\div$, the only operations you can use are raising a number to a power, taking the reciprocal of a number, or finding the product of two numbers.

Each number can only be used once. You don't have to use all the numbers. There is often more than one way of making a particular target, so see how many different ways you can find.

Here is an example:


Can you find any other ways of making 8 ?
Are there any ways which use all the numbers?
Here is another selection.

| 2 | 4 | 5 | 25 | 27 | 81 | 125 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |

How many ways are there to make the target number of 125 ?

Below is a selection of numbers and five targets.


How many different ways can you find to make each target?
Are there any targets you can't make? How close can you get?

