

# StarMaths – Number Puzzles

Astronomers use maths to work out where to look for stars and how far away they are. Famous astronomer Johannes Kepler even found a new star without having a telescope – just by using maths!

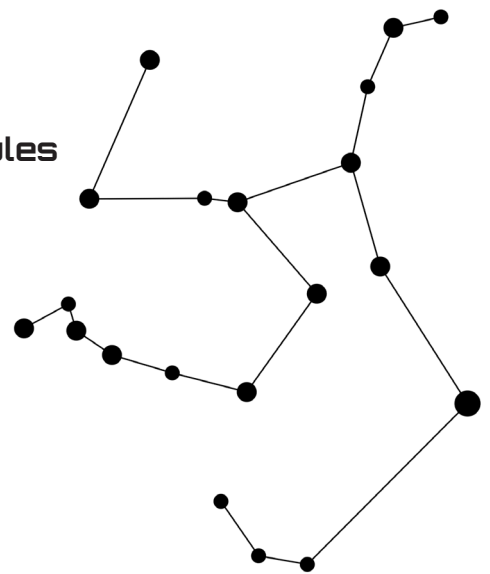
Practice your maths with these starry sums.

For each sum you need to count the number of stars and planets shown on the StarDisc constellation of that name. On StarDisc, the round dots are the stars and planets and each constellation has lines to join up all the stars and planets in it.

For example, Sculptor has 4. Delphinus has 5. Hercules has 20.



Hercules



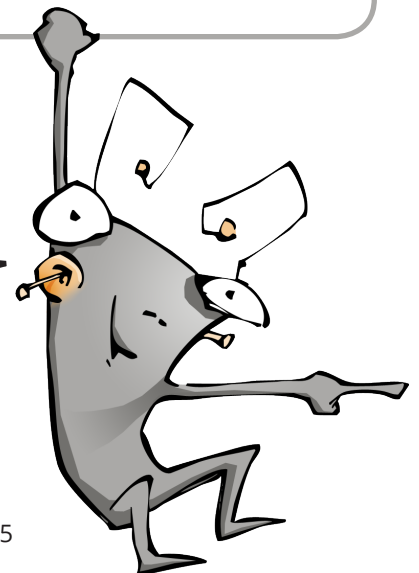
Sculptor

So...

$$\text{Delphinus} + \text{Sculptor} = 9$$

$$\text{Hercules} - \text{Delphinus} = 15$$

GO TO THE NEXT PAGE FOR THE COSMIC NUMBER CRUNCHING!



### What's More...

StarDisc uses the biggest dots to show the brightest stars in the constellations – the bigger the dot, the brighter the star.

- |    |  |   |                                   |   |                      |   |  |   |                      |
|----|--|---|-----------------------------------|---|----------------------|---|--|---|----------------------|
| 1  | Draco<br>the Dragon  | + | Pisces<br>the Fish                | =   | <input type="text"/> |   |  |   |                      |
| 2  | Lepus<br>the Hare  | + | Canes Venatici<br>the Greyhounds  | =   | <input type="text"/> |   |  |   |                      |
| 3  | Aries<br>the Ram   | + | Scorpio<br>the Scorpion           | =   | <input type="text"/> |   |  |   |                      |
| 4  | Bootes<br>the Ploughman                                    | - | Libra<br>the Scales               | =   | <input type="text"/> |   |  |   |                      |
| 5  | Cygnus<br>the Swan   | - | Microscopium<br>the Microscope    | =   | <input type="text"/> |   |  |   |                      |
| 6  | Pegasus<br>the Winged Horse                                | - | Corvus<br>the Crow                | =   | <input type="text"/> |   |  |   |                      |
| 7  | Orion<br>the Hunter  | x | Antlia<br>the Pump                | =   | <input type="text"/> |   |  |   |                      |
| 8  | Columba<br>the Dove  | x | Leo Minor<br>the Little Lion      | =   | <input type="text"/> |   |  |   |                      |
| 9  | Hydra<br>the Sea Serpent                                   | ÷ | Coma Berenices<br>Berenice's Hair | =   | <input type="text"/> |   |  |   |                      |
| 10 | <input type="text"/> Corona Borealis<br>the Northern Crown |   | +                                 | <input type="text"/> Corona Australis<br>the Southern Crown |                      | ÷ | <input type="text"/> Crater<br>the Cup | = | <input type="text"/> |

