

## Solutions to App “Audio Sky Tours”, Episode 3

### The Summer Constellations

	Solution	Points
1	In the chart: Deneb, Altair, Vega.	3
2	In the chart: the Archer, the Scorpion, the Virgin.	3
3	In episode 2 the harp stands for the related Lyre, in Latin Lyra. The Lyre is also a constellation and the origin of the term lyrics.	2
4	Because stars have different temperatures.	1
5	M13 is a globular cluster and as all globular clusters very old. Since planets are as old as their central stars on the planets in M13 was enough time to develop evolved life. In 1974 a radio signal was sent to M13. It will arrive there within 25,000 years.	3
6	It's divided in two parts by the constellation Serpent Holder (Ophiuchus).	1
7	Surface temperature, colour, diameter, radiative power.	3
8	Astrophysics	1
9	Because of its huge surface (203 Sun radii) and its higher surface temperature (8,500 degree).	1
10	They use the tremendous energy output from the fusion of hydrogen to helium.	2

20