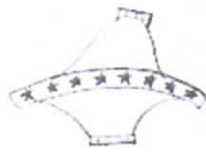


ANSWERS

Intergalactic Temperature Quest

Your Space Commander has sent you on a quest around the universe to collect temperatures for research purposes.

You have the use of a spaceship:



...and a thermometer:



First find the difference between the hottest and coldest temperatures you collected for each planet. Copy the table into your book. The first one has been done for you.

Planet	Hottest recorded temperature	Coldest recorded temperature	Difference
Kark	10°C	-5°C	15°C
Hikl	126°C	37°C	89°C
Topa	54°C	12°C	42°C
Uni-7	-13°C	-179°C	166°C
Jolarg	54°C	-68°C	122°C
Vortan	104°C	-97°C	201°C
Intop	-95°C	-214°C	119°C
Yurg	-27°C	-163°C	136°C

Those last two planets were really cold! Now that you are back in the lab have a nice hot chocolate and work out these three puzzles:



What is the mean average of the difference column? (Use a calculator). 111.25°C

What is the mode average of the hottest temperature column? 54°C

What is the median average of the coldest temperature column?

Write out in order from smallest to largest first

-214, -179, -163, (-97, -68), -5, 12, 37 = -82.5

Add & ÷ by 2 $\frac{-165}{2}$