

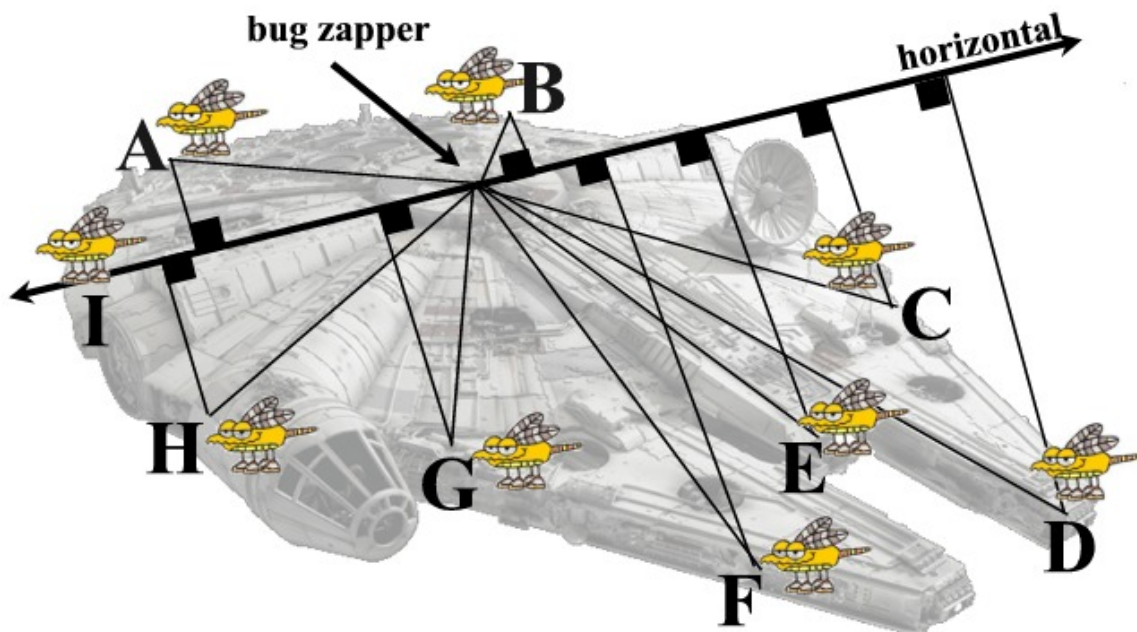
De-Bugging the Millennium Falcon

Star Wars

Name ANSWERS

Wygon Clitchers are nasty little space bugs that when attached to a starship penetrate the hull and do serious damage to the craft. During a recent jump to light speed, the Millennium Falcon (starship of Han Solo) passed through a belt of Wygon Clitchers and 9 of the little critters attached themselves to the hull of the ship.

Unfortunately, the Falcon is only running at 50% efficiency at this time. The “bug zapper”, located at the center of the ship, must have 4 vital pieces of information before it can remove each of these nasty little critters. The ship needs your help in determining the precise location of each of the Wygon Clitchers so the zapping may begin.



The bug zapper must have the actual distance to the bug, the horizontal distance to the bug (relative to the line across the hull, as shown), the vertical distance to the bug and the angle formed by the actual distance and the horizontal distance (the angle whose vertex is at the bug zapper).

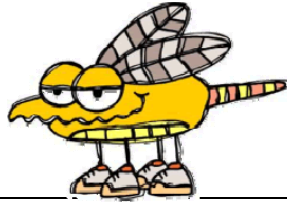
At 50% efficiency, the computer can relay only 2 of the 4 needed pieces of information to the bug zapper. It is up to you to supply the remaining two pieces of information as it relates to each bug.

Fill in the needed values on the chart and

**Save the Millennium Falcon
before the Wygon Clitchers penetrate the hull!!!**

Show all work on your own paper and round answers to the nearest whole number or nearest degree unless told otherwise.

Save the Millennium Falcon!



Name _____ ANSWERS _____

Wygon Clitcher (the BUG)	Actual Distance	Horizontal Distance	Vertical Distance	Angle
A	18	15	10	34°
B	3	2	2	45°
C	25	20	15	37°
D	39	27	28	46°
E	25	13	22	60°
F	27	8	26	73°
G	20	9	18	64°
H	21	18	10	30°
I	23	23	0	0°