

# SUMMER TASK

## UNIFORMED SERVICES



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In preparation for year one, you have some work to do over the summer.

### TASK:

This task sheet is made up of a number of questions relating to Command & Control. Answer the questions on a separate sheet (or this one) and submit.

**Remember Time Taken = Distance / Speed [Remember also keep the units the same ie Km]**

Scenario: You are the navigator in a search and rescue Sea King helicopter operating from Kinloss. North Scotland. You have just been scrambled (10:00 am) to rescue the last remaining crew members (two of them) from a stricken ship, floundering in the North Sea. Once rescued you are to proceed to Aberdeen Hospital helipad, where the ship's crew are to be dropped off. Your helicopter is fully fuelled and operating at normal capacity, details below.

Aircraft	Speed	Range	Duration of flight
Sea King Helicopter	208 Km/Hr	1230 Km	5 hours

### Distances:

Where to where	Distance (Km)
Kinloss – Ship	340 Km
Ship to Aberdeen	260 Km

Question 1: Calculate the time it will take to fly from Kinloss to the Ship

Question 2: Calculate the time it will take to travel from the Ship to Aberdeen

Question 3: How long (time) can the helicopter stay on scene (ie hover over the ship doing the rescue)

Question 4: Complete the table below with the information requested by the Pilot:

Update: You are approaching the ship, about 5 mile away, when you receive a message from your Scottish Coastguard. You relay that message to the Pilot:

'We have just received a message that Aberdeen Hospital, their Airport is closed down and we are being diverted to Newcastle. Newcastle is 510 Km away.'

Question 5: Calculate the time it will take to travel from the Ship to Newcastle

Question 6: How long (time) can the helicopter stay on scene (ie hover over the ship doing the rescue then go to Newcastle)