

ANSWERS Douglas Cadet Flight Log ~ Math Worksheet

Use the information below and your math skills to complete the charts and questions!

In order to pass primary flying school at the Douglas 63rd Detachment each cadet was required to complete:

- ✓ 100 hours of ground school and time in the Link Simulator.
- ✓ 10-13 hours of flying time with instructor.
- ✓ At least 25 landings with instructor.
- ✓ A solo flight (flying alone without an instructor) after 10 hours.
- ✓ A total of 60 hours of flying time.
- ✓ A total of at least 175 landings.

1. Complete the charts below by filling in the blank squares in the August 16-22 1942 log books.

Link Simulator Log

Date	Start Time	End Time	Total Hours	Instructor
8/17/1942	8:00	9:00	1	Tg
8/18/1942	2:00	4	2	Tg
8/20/1942	8:00	9:30	1:30	tg
8/21/1942	8:00	10:00	2	Tg
8/21/1942	1:00	2:45	1:45	Tg
Total Hours:			8:15	

If a cadet failed training, it was called "Washing out."

Air Plane Flight Log

Flight #	Date of Flight	Start Time	End Time	Total Hours Flown	Instructor
1	8/17/1942	2:00	4:00	2	Tg
2	8/18/1942	9:00	11:45	2:45	Tg
3	8/19/1942	8:30-	9:45	1 hr 15 min	Tg
4	8/19/1942	2	5:00	3	Tg
5	8/20/1942	1:15	4:30	3 hr 15 min	Tg
6	8/21/1942	3:15	4:45	1:30	Tg
7	8/22/1942	1:15	3:00	1 hr 45 min	Tg
Total Hours				15 hours 30 minutes	

2. Does the cadet have enough hours to go on his first solo flight?

YES

b. How many hours does he need to fly before completing the program?

Hint: 60 – total hours = 44 hour 30 minutes

3. List the lengths of the air plane flights from longest to shortest in the chart below.

Flight #	Date of Flight	Length
5	8/20/1942	3:15
4	8/19/1942	3
2	8/18/1942	2:45
1	8/17/1942	2
7	8/22/1942	1:45
6	8/21/1942	1:30

Longest
↓
Shortest

4. Under the direction of his instructor, the cadet landed the plane on all 7 of his flights during the week. How many more landings does he need to meet the requirement? **18**

Hint: 25 landings – 7 landings = _____

5. The cadet has already completed 65 hours in ground school. At the end of the week of August 16, how many more hours does the cadet need to train in the Link Simulator to meet the requirement?

Hint: 100 hours - 65 hours in ground school - 8 hours 15 minutes hours spent in Link Simulator during week 8/16/15 = 26 hours 45 minutes

6. In the space below, draw and color a bar graph illustrating the hours flown on each day as listed in the Air Plane Flight Log. (Remember to label all information.)

Title: **Flight Lengths in Hours for the Week of August 17, 1941**

