

Cargo Specialist

Handout #2: Water



Planet Team: Jupiter Saturn Uranus Neptune Pluto
(circle one)

Cargo Specialist

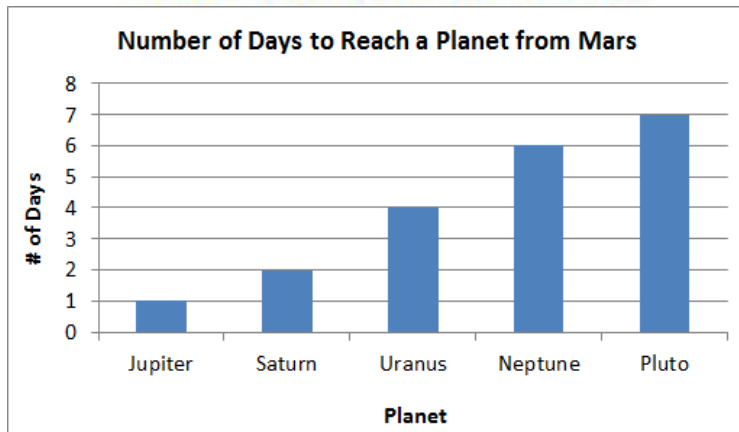
Handout #2: Water



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Travel Time

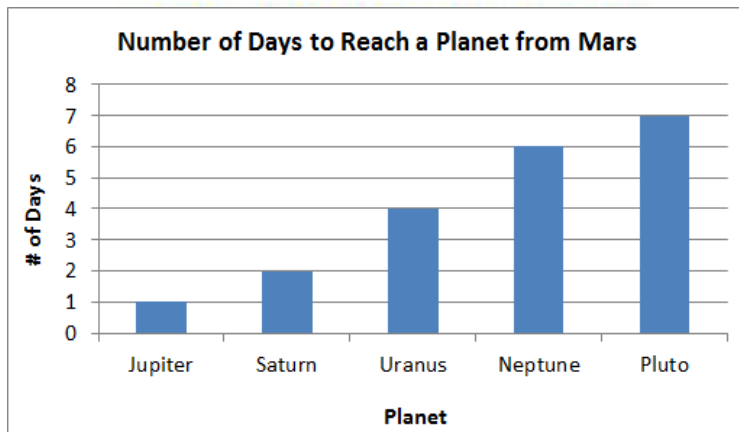
You are on Mars. Look for your team's planet on the number line below. Using the number line, decide how long it will take to travel from Mars to your team's planet.

**Travel Time:**

It will take _____
days to get from Mars
to our planet.

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**Travel Time:**

It will take _____
days to get from Mars
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Planning for the Trip Out to the Planet: Water

Find out the number of water bottles needed by each astronaut per day by using your team data computer.



Look at the computer.

Total water bottles needed by an astronaut for each day of the trip is

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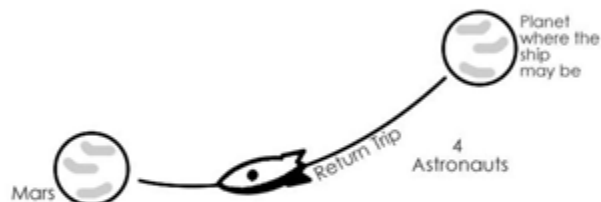
Planning for the Total Water Bottles Needed

There will be two astronauts for the trip out. There will be four astronauts on the return trip.



Number of Astronauts on the Trip Out

A



Number of Astronauts on the Return Trip

B

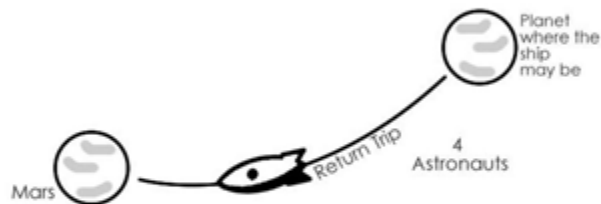
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Number of Astronauts on the Trip Out

A



Number of Astronauts on the Return Trip

B

Total Water Bottles for the Trip

Trip Out Days		Water Bottles per Day		# of Astronauts		Total Water Bottles Out
<input type="text"/>	x	<input type="text"/>	x	<input type="text"/>	=	<input type="text"/>
See card #2		See card #3		See card #4 Side A		

Return Trip Days		Water Bottles per Day		# of Astronauts		Total Water Bottles Return
<input type="text"/>	x	<input type="text"/>	x	<input type="text"/>	=	<input type="text"/>
See card #2		See card #3		See card #4 Side B		

+

Total water bottles for the round-trip
 (Total Water Bottles Out + Total Water Bottles Return)

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<input type="text"/>	x	<input type="text"/>	x	<input type="text"/>	=	<input type="text"/>
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See card #2		See card #3		See card #4 Side B		

+

Total water bottles for the round-trip
 (Total Water Bottles Out + Total Water Bottles Return)

Packing the Crates

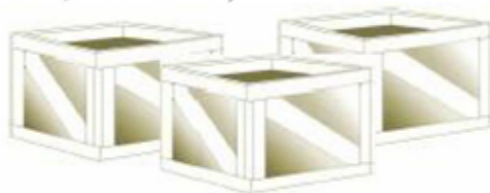
Now, you have to figure out how many packing crates will you need.

Five water bottles fit into one packing crate: How many crates will you pack into the rescue ship?

To figure this out, divide the number of water bottles by 5. If you have a decimal remainder, put the remaining water bottles in another crate.

_____ divided by 5 = _____ crates needed

(Water bottles needed from Handout #2, Task Card #5)

**Packing the Crates**

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(Water bottles needed from Handout #2, Task Card #5)



Total Amount of Water Needed for Rescue Trip**STOP –COMPLETE THIS PAGE THEN BRING THIS REPORT TO THE COMMUNICATION OFFICER**

PLANET TEAM (circle): JUPITER SATURN URANUS NEPTUNE PLUTO

Number of days for the trip out (see Task Card #2)

Number of water bottles for round-trip (see Task Card #5)

Number of crates for round-trip (see Task Card #6)

TAKE THIS BOOKLET TO YOUR COMMUNICATION OFFICER

IF THE COMMANDER APPROVES YOUR DATA, WRITE THIS**Total Amount of Water Needed for Rescue Trip****STOP –COMPLETE THIS PAGE THEN BRING THIS REPORT TO THE COMMUNICATION OFFICER**

PLANET TEAM (circle): JUPITER SATURN URANUS NEPTUNE PLUTO

Number of days for the trip out (see Task Card #2)

Number of water bottles for round-trip (see Task Card #5)

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