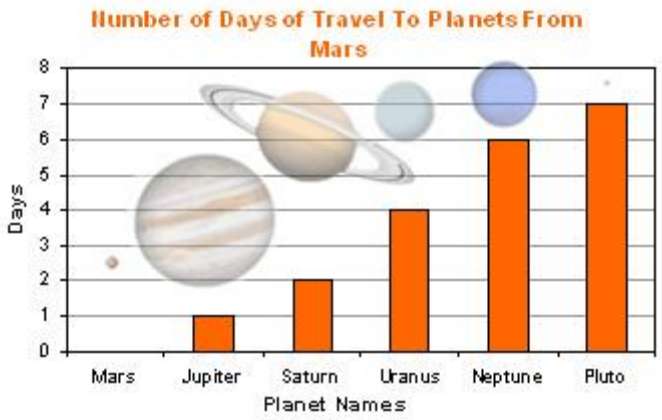
Cargo Specialist

Handout #1: Food

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

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.

Handout #1 /Task Card #3

Planning for the Trip Out to the Planet: Food

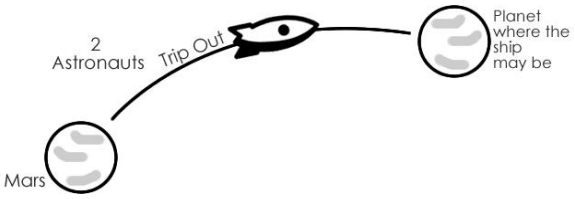
Find out the number of food packs needed by each astronaut per day by using your team data computer.

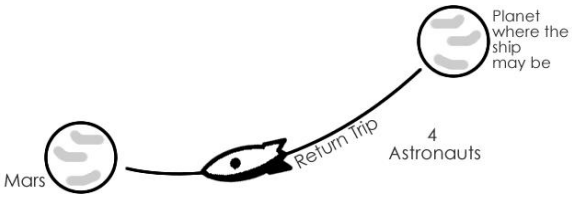
Look at the computer.
Total food packs needed by an astronaut for each day of the trip is ☐

Handout #1 /Task Card #4

Planning for the Total Food Packs 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 ☐

Total Food Packs for the Trip

Trip Out Days		Food Packs per Day		# of Astronauts		Total Food Packs Out
	x		x		=	
See card #2		See card #3		See card #4 Side **A**		

Return Trip Days		Food Packs per Day		# of Astronauts		Total Food Packs Return
	x		x		=	
See card #2		See card #3		See card #4 Side **B**	+	

Total food packs for the round-trip
(Total Food Packs Out + Total Food Packs Return)

Packing the Crates

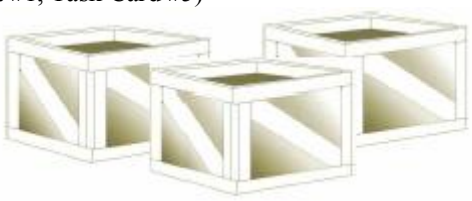
Now, you have to figure out how many packing crates will you need.

Two food packs fit into one packing crate: How many crates will you pack into the rescue ship?

To figure this out, divide the number of food packs by 2. If you have a decimal remainder, put the remaining food packs in another crate.

_____ divided by 2 = _____ crates needed

(Food packs needed from Handout #1, Task Card #5)



STOP – Report to the Main Wall Chart

Stop here and go to the main chart on the wall. You will need to write the numbers for your planet in the table:

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

Number of days for the trip out (see Task Card #2)	
Number of food packed needed for round-trip (see Task Card #5)	
Number of crates of food packs needed for round-trip (see Task Card #6)	

Do NOT go on until you are told to do so by Mission Control.

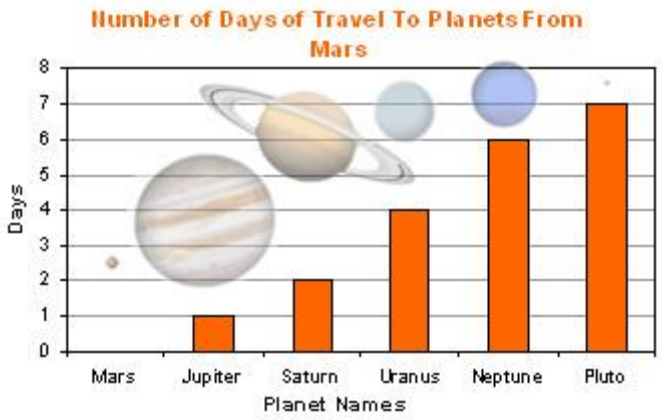
Cargo Specialist

Handout #2: Water

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

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.

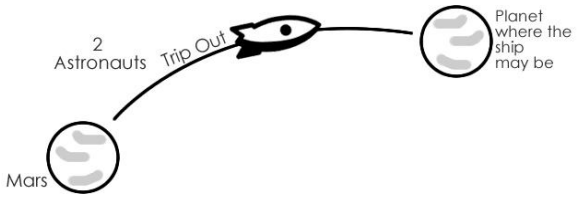
Planning for the Trip Out to the Planet: Water

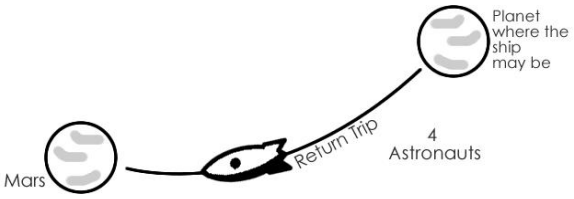
Find out the number of water bottles needed by each astronaut per day by using your team data computer.

Look at the computer.
Total water bottles needed by an astronaut for each day of the trip is ☐

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 ☐

Total Water Bottles for the Trip

Trip Out Days		Water Bottles per Day		# of Astronauts		Total Water Bottles Out
	x		x		=	
See card #2		See card #3		See card #4 Side **A**		

Return Trip Days		Water Bottles per Day		# of Astronauts		Total Water Bottles Return
	x		x		=	
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)

STOP – Report to the Main Wall Chart

Stop here and go to the main chart on the wall. You will need to write the numbers for your planet in the table:

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

Number of days for the trip out (see Task Card #2)	
Number of water bottles needed for round-trip (see Task Card #5)	
Number of crates of water bottles needed for round-trip (see Task Card #6)	

Do NOT go on until you are told to do so by Mission Control.

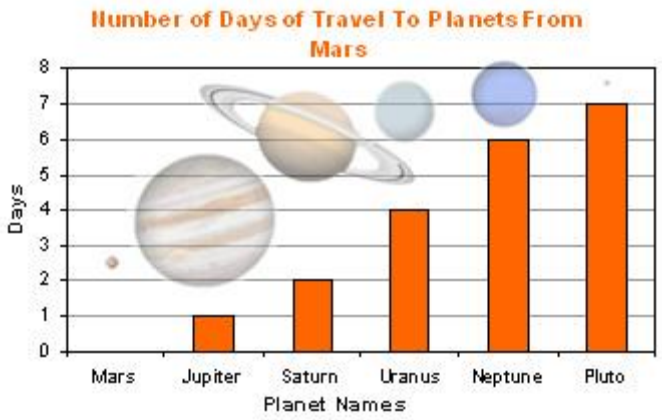
Cargo Specialist

Handout #3: Oxygen

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

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.

Handout #3 /Task Card #3

Planning for the Trip Out to the Planet: Oxygen

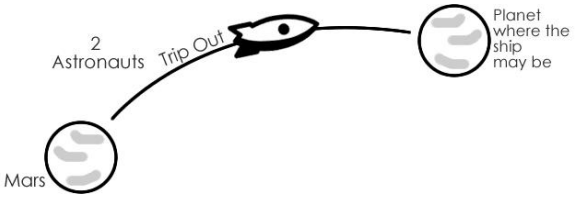
Find out the number of Oxygen tanks needed by each astronaut per day by using your team data computer.

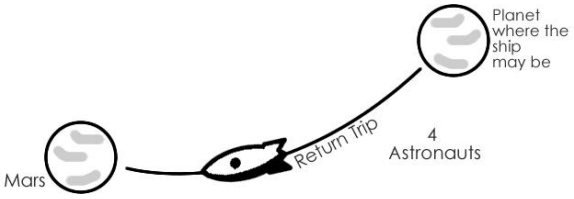
Look at the computer.
Total Oxygen tanks needed by an astronaut for each day of the trip is ☐

Handout #3 /Task Card #4

Planning for the Total Oxygen Tanks 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 ☐

Total Oxygen Tanks for the Trip

Trip Out Days		Oxygen Tanks per Day		# of Astronauts		Total Oxygen Tanks Out
	x		x		=	
See card #2		See card #3		See card #4 Side **A**		

Return Trip Days		Oxygen Tanks per Day		# of Astronauts		Total Oxygen Tanks Return
	x		x		=	
See card #2		See card #3		See card #4 Side **B**		

\+

Total Oxygen tanks for the round-trip
(Total Oxygen Tanks Out + Total Oxygen Tanks Return)

Packing the Crates

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

Four Oxygen tanks fit into one packing crate: How many crates will you pack into the rescue ship?

To figure this out, divide the number of Oxygen tanks by 4. If you have a decimal remainder, put the remaining Oxygen tanks in another crate.

_____ divided by 4 = _____ crates needed

(Oxygen tanks needed from Handout #3, Task Card #5)

STOP – Report to the Main Wall Chart

Stop here and go to the main chart on the wall. You will need to write the numbers for your planet in the table:

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

Number of days for the trip out (see Task Card #2)	
Number of Oxygen tanks needed for round-trip (see Task Card #5)	
Number of crates of Oxygen tanks needed for round-trip (see Task Card #6)	

Do NOT go on until you are told to do so by Mission Control.