



Name _____ Class _____ Date _____

Archimedes is going on a tour around the world. Here is his planned itinerary:

Itinerary

Using 24 hour times

Wednesday 21 May Depart Auckland on Air New Zealand at 0510
Arrive Sydney at 0610

Thursday 22nd May Depart Sydney on Qantas at 0945
Arrive Honolulu Wednesday 22nd May 2305

Friday 23 May Depart Honolulu on Qantas at 0030
Arrive Vancouver at 0850

Thursday 29 May Depart Vancouver on British Airways at 2000
Arrive London on Friday 30 May at 1315



PREVIEW

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Challenge:

Archimedes has calculated that his flight from Vancouver to London will take 17 hours and 15 minutes. He doesn't think this can be correct yet he has checked the departure and arrival times twice with the travel agent. A friend has told him it only takes about 9 hours and 40 minutes. If his plane is a normal plane and is not stopping anywhere what is the reason for the difference?



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Use Archimedes' Itinerary to answer the following:

1. For how many nights will Archimedes be away?
2. What is the total number of flights that Archimedes will take?
3. How many different airlines will he be using?
4. Explain why Archimedes appears to fly "back in time" when he leaves Sydney on Thursday and arrives in Honolulu on the Wednesday.
.....
.....
5. How many days will he spend traveling from Rome to London?

PREVIEW

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Challenge:
Archimedes urgently needs travel insurance. Which deal should he take?

<p>Relax Insurance \$200 for 45 days</p>	<p>Dodge Insurers Special: \$50 for 10 days</p>	<p>ZYX Insurance \$100 for 35 days</p>
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The trip takes 9 hours and 40 minutes. Archimedes is flying across several time zones. In Vancouver the time will be 5:40 a.m. while in London it will be 1:40 p.m.



Name _____ Class _____ Date _____

Use Archimedes' Itinerary to answer the following:

1. For how many nights will Archimedes be away? **43 nights**
2. What is the total number of flights that Archimedes will take? **Seven flights**
3. How many different airlines will he be using? **Four airlines**
4. Explain why Archimedes appears to fly "back in time" when he leaves Sydney on Thursday and arrives in Honolulu on the Wednesday. **Because he is traveling across the International Date Line.**
5. How many days will he spend traveling from Rome to London? **15 days**

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