



Problem solving tasks

MG9 International time zones

Student Book page 97

London calling, the clash of times!

Grandma wants to talk to me online via the internet on Wednesday at 8:00 am Sydney time. Grandma lives in London, so what time will it be in London when I talk to her?

1	Guess and check	6	Check for relevant or irrelevant information
2	Make a table or chart	7	Find smaller parts of a large problem
3	Draw a picture or diagram	8	Make an organised list
4	Act out the problem	9	Solve a simpler problem
5	Find a pattern or use a rule	10	Work backwards

MG13 Measure angles 0° – 360°

Student Book page 105

Calculate the size of the reflex angles **a** to **e** on the cross-country ski course without the use of a protractor.

a

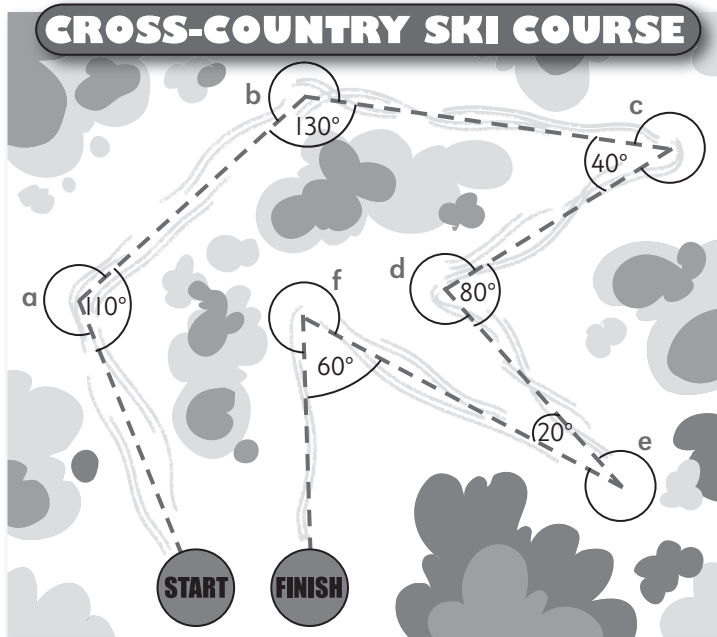
b

c

d

e

f

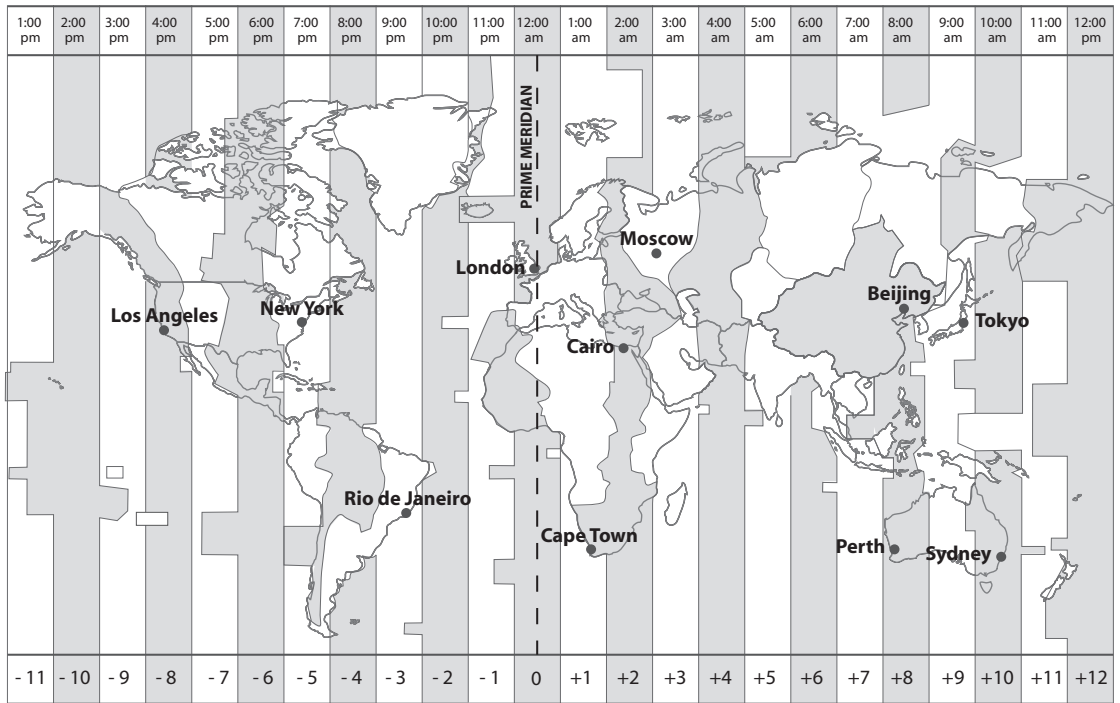


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Know



Refer to the time zones map to answer these questions.

a Which city's clocks are set **5 hours** behind London?

b When it is **12:00 am** in London, what time is it in Sydney?

c If I want to phone my Grandmother in Tokyo at **6:00 pm** her time, what time should I phone from Sydney?

d At **10:00 am** in Sydney, would my friend in Perth be more likely to be eating breakfast or lunch? Why?

e When it is **3:00 pm** in Perth, what time is it in Beijing?

Cities	Time difference
Sydney to Perth	-2 h

f Los Angeles to New York

g Sydney to Beijing

h Perth to Cape Town

i London to Sydney

j Rio de Janeiro to Moscow

Apply

How many hours does time change between these cities?