Guide to: Time

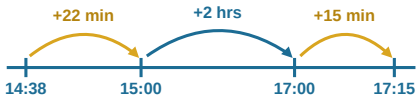
maths Links

Explanation:

Remember that time is based on **60 minutes = 1 hour** (not 100). On a 24-hour clock, times always use 4 digits (e.g. `08:30` for 8:30 am), and for afternoon or evening times from 1:00 pm onwards you add 12 to the hours (e.g. `3:45 pm = 15:45`).

Never use column subtraction for times. Instead, count on in stages by jumping to the next whole hour first, then counting whole hours, and finally adding the remaining minutes.

Example 1: A train leaves at **14:38** and arrives at **17:15**. How long is the journey?



• **14:38** → **15:00** = 22 min; **15:00** → **17:00** = 2 hrs; **17:00** → **17:15** = 15 min

• Combine minutes: 22 + 15 = 37 min → **Answer: 2 hours 37 minutes**

Example 2: A film starts at **6:45 pm** and lasts **138 minutes**. What time does it finish in 24-hour time?

Solution:

• Convert start time to 24-hour: 6:45 pm = **18:45**

• Convert 138 mins: 120 mins + 18 mins = **2 hrs 18 mins**

• Add 2 hours: 18:45 + 2 hrs = **20:45**

• Add 18 mins: 20:45 + 15 mins = 21:00, + 3 mins = **21:03**

Answer: 21:03

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