

Maths Mastery

Solve Problems Converting Time



Hours and Minutes

Divide the number of minutes by 60 to get the whole number of hours. In this case, 1 hour (60 minutes). Subtract the multiple of 60 from the minutes to leave the number of minutes after the hours. $108 - 60 = 48$. 108 minutes = 1 hour and 48 minutes.

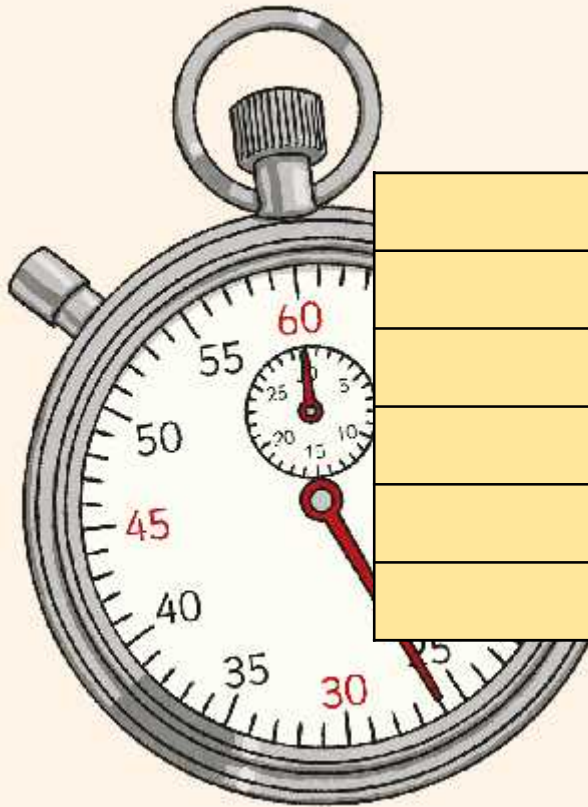
The film starts at 14:25. Add 1 hour, makes 15:25. Add the 48 minutes to 25 gives 73 minutes. As it is more than 60, the finish time will be after the following hour by 13 minutes ($73 - 60 = 13$). The film will finish at 16:13.



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Answers

Minutes and Seconds

Complete this table to convert between seconds and minutes and seconds:



Seconds	Minutes and Seconds
140	2:20
105	1:45
190	3:10
250	4:10
335	5:35

Explain how you found these answers.

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Answers

Hours and Days

Answer these:

1. An online company promises delivery within 48 hours. How many days is that? **2 days**
2. Medicine needs to be taken once every 6 hours. How many days will 32 tablets last? **8 days**
3. How many hours in a week? **168 hours**



Write some of your own questions for a partner to answer.

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Answers

Take the Train

Here is a train timetable.

Sheffield	Departure	12:29	12:49	13:29	13:49	14:29	14:49	15:29	15:49	16:29
London St Pancras International	Arrival	14:30	14:59	15:31	15:59	16:32	16:59	17:29	18:07	18:36
Duration		2:01	2:10	2:02	2:10	2:03	2:10	2:00	2:18	2:07
Duration in Minutes		121	130	122	130	123	130	120	138	127



1. Work out the duration of each journey in hours and minutes.
2. Convert the duration of the journeys into minutes.

Hide
Answers

