

## Catnap Conversions

### Solutions



Two Math Cats

1. Orange, like many cats, enjoys taking long naps. This week, he's been tracking the number of hours he sleeps every night. Help him convert the hours into minutes and seconds. (Remember - 1 hour has 60 minutes. 1 minute has 60 seconds)

Hours	Conversion	Minutes	Conversion	Seconds
8	8 hours x 60 min / 1 hour	480	480 min x 60 sec / min	28,800
10	10 hours x 60 min / 1 hour	600	600 min x 60 sec / min	36,000
9	9 hours x 60 min / 1 hour	540	540 min x 60 sec / min	32,400
8.5	8.5 hours x 60 min / 1 hour	510	510 min x 60 sec / min	30,600
12	12 hours x 60 min / 1 hour	720	720 min x 60 sec / min	43,200
11	11 hours x 60 min / 1 hour	660	660 min x 60 sec / min	39,600

2. While Orange tracks his sleep schedule in hours, Grey likes to track her sleep schedule in minutes. Convert one of their measurements and help Orange and Grey determine who slept more each day (while only one cat's measurements need to be converted, I've converted both here to show you can do either and the result is still the same).

Day	Orange's hours	Grey's minutes	Converted Time	Who slept more?
Sunday	8	450	480 min / 7.5 hours	Orange
Monday	9	480	540 min / 8 hours	Orange
Tuesday	10	720	600 min / 12 hours	Grey
Wednesday	7.5	690	450 min / 11.5 hours	Grey
Thursday	11	510	660 min / 8.5 hours	Orange
Friday	8	540	480 min / 9 hours	Grey
Saturday	12	600	720 min / 10 hours	Orange