Time Conversions

Study Development Worksheet

## Questions

### Converting from 24-hour time to 12-hour time

Convert the following into 12-hour time:

1. 14:00
2. 10:00
3. 17:30
4. 20:25
5. 05:17

### Converting from 12-hour time to 24-hour time

Convert the following into 24-hour time:

1. 3pm
2. 4:22am
3. 7:34pm
4. 11:12pm
5. 6:13am

### Converting times

1. Convert 135 seconds into minutes.
2. Convert 350 minutes into hours and minutes.
3. Convert 4 hours into seconds.
4. Convert 25 minutes into seconds.
5. Convert 9000 seconds into hours.

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## Answers

### Converting from 24-hour time to 12-hour time

1. 2pm
2. 10am
3. 5:30pm
4. 8:25pm
5. 5:17am

### Converting from 12-hour time to 24-hour time

1. 15:00
2. 04:22
3. 19:34
4. 23:12
5. 06:13

### Converting times

1. $\frac{135 seconds}{60 seconds/minute}$ = 2.25 mins =

2 mins and (0.25 minutes $×$ 60 seconds/minute) seconds = 2 mins 15 seconds.

1. $\frac{350 minutes}{60 minutes/hour}$ = 5.8333 hours =

5 hours and (0.8333 hours $×$ 60 minutes/hour) minutes = 5 hours and 50 minutes

1. 4 hours $×$ 60 minutes/hour = 240 minutes.

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240 minutes $×$ 60 seconds/minute = 14400 seconds.

1. 25 minutes $×$ 60 seconds/minute = 1500 seconds.
2. $\frac{9000 seconds}{60 seconds/minute}$ = 150 minutes.

$\frac{150 minutes}{60 minutes/hour}$ = 2.5 hours = 2 hours and (0.5 $×$ 60) minutes = 2 hours and 30 minutes.

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