YORK ST JOHN UNIVERSITY
Est. 1841
Student Life
Library and Learning Services

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.

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. $\dfrac{135 \text{ seconds}}{60 \text{ seconds/minute}} = 2.25 \text{ mins} =$

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

2. $\dfrac{350 \text{ minutes}}{60 \text{ minutes/hour}} = 5.8333 \text{ hours} =$

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

3. 4 hours $\times$ 60 minutes/hour = 240 minutes.

240 minutes × 60 seconds/minute = 14400 seconds.

4. 25 minutes × 60 seconds/minute = 1500 seconds.

5. $\dfrac{9000 \text{ seconds}}{60 \text{ seconds/minute}}$ = 150 minutes.

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

Support: Study Development offers workshops, short courses, 1 to 1 and small group tutorials.

- Join a tutorial or workshop on the Study Development tutorial and workshop webpage or search 'YSJ study development tutorials.'

- Access our Study Success resources on the Study Success webpage or search 'YSJ study success.'