

Week 6 Lesson 4 Questions

24-hour and 12-hour clock conversions

RED

General support

Convert 12-hour to 24-hour clock

If a.m.

e.g. 9:35am

Step 1 - remove the a.m. **9:35**

Step 2 – if the hours have one digit add a zero at the front **09:35**

If p.m

e.g. 6:15pm

Step 1 – remove the pm **6:15**

Step 2 – add 12 hours

6:15 + 12 hours = **18:15**

Converting 24-hour to 12-hour clock

If 13:00 or later \geq 13:00

e.g. 14:45

Step 1 – subtract 12 hours away from the hours portion

14 – 12 = **2**

Step 2 – put the minutes portion (45) back in **2:45**

Step 3 – add pm **2:45pm**

If less than or equal \leq 12:59

e.g. **07:59**

Step 1 – add am **07:59am**

Step 2 – lose the zero at the start if it has one **7:59am**

RED

Convert these to 24-hour clock times

1. 1:00pm =
2. 11:00am =
3. 7:00am =
4. 9:00am =

Convert these to 12-hour clock times

5. 23:00 =
6. 18:00 =
7. 10:00 =
8. 03:00 =
9. 16:30 =

YELLOW

Convert these to 24-hour clock times

1. 7:00am =
2. 9:00am =
3. 6:45pm =

Convert these to 12-hour clock times

4. 10:00 =
5. 18:00 =
6. 13:57 =

Convert these from either a 24 or 12-hour clock to the other:

7. 20:00 =
8. 1:21am =
9. 11:59pm =

GREEN

Convert these from either a 24 or 12-hour clock to the other:

1. 20:00 =
2. 1:21am =
3. 11:59pm =
4. 05:01 =
5. 11:09am =
6. 12:30pm =
7. 12:01 =
8. 00:12 =

9. 12:59 =