

Military Time

OBJECTIVES/RATIONALE

Many medical facilities utilize the 24-hour clock system. The student will recognize time on a 24-hour clock.

TEKS 121.3 1A

TAKS ELA 1
Mathematics 1, 8

KEY POINTS

- I. In a health care setting, it is important that time be stated in a clear and concise way - time indicates
 - A. when treatment is to be done
 - B. when medication is to be administered
 - C. how long procedures last.
- II. Military Time
 - A. The military services were the first to use a 24-hour clock
 - B. Always expressed in four digits with no colons used to separate hours and minutes.
 - C. Always use a 0 to complete the four-digit number – 0300 instead of 300
 - D. State the time in hundreds – zero three hundred hours is 3:00 AM, twenty-two hundred hours – 2200 – is 10:00 PM
 - E. The 24-hour clock eliminates confusion between AM and PM hours.
 1. AM – 0100 to 1200
 2. PM – 1201 - 2400

ACTIVITIES

- I. Complete the Military-Time Conversions.

MATERIALS NEEDED

Comparison of Greenwich and Military Time
Military-Time Conversions KEY

ASSESSMENT

Successful completion of Conversions.

ACCOMMODATIONS

For reinforcement, the student will develop a picture of a clock comparing military-time to 12-hour time.

For enrichment, the student will research and report on the historical development of military time.

REFLECTIONS

Comparison of Greenwich to Military Time

<u>Greenwich</u>	<u>Military</u>
1:00 AM	0100
2:00 AM	0200
3:00 AM	0300
4:00 AM	0400
5:00 AM	0500
6:00 AM	0600
7:00 AM	0700
8:00 AM	0800
9:00 AM	0900
10:00 AM	1000
11:00 AM	1100
12:00 noon	1200
1:00 PM	1300
2:00 PM	1400
3:00 PM	1500
4:00 PM	1600
5:00 PM	1700
6:00 PM	1800
7:00 PM	1900
8:00 PM	2000
9:00 PM	2100
10:00 PM	2200
11:00 PM	2300
12:00 midnight	2400

Military Time Conversions

Convert the following to Military.24-hour time

1. 10:43 a.m.
2. 10:27 p.m.
3. 11:21 a.m.
4. 8:16 p.m.
5. 9:32 p.m.
6. 3:19 p.m.
7. 9:10 a.m.
8. 12:22 a.m.
9. 12:22 p.m.
10. 6:01 p.m.

Convert these times to 24-hour clock times:

11. quarter to seven in the morning
12. half past one in the afternoon
13. quarter past four in the afternoon
14. five minutes to midnight
15. ten past eight in the evening
16. five to six in the morning
17. half past two in the morning

Write these 24-hour clock times in 12-hour clock times, using a.m. or p.m.

18. 1213
19. 1705
20. 0622
21. 1635
22. 1942
23. 2205
24. 1340
25. 1445

Add "a.m." or "p.m." on to the end of each sentence so that it makes sense.

26. Jane came home from school at 4:15
27. Bill woke up at 6:30
28. John ate lunch at 12:15
29. Bill went to bed at 10:10
30. Sally cooked dinner at 5:30

Allison leaves home at 0830 and returns 6 hours later. What time does she get home?

31. 24-hour clock time

32. 12-hour clock time using a.m. or p.m.

Military Time Conversions

KEY

Convert the following to Military.24-hour time

1. 10:43 a.m.
1043
2. 10:27 p.m.
2227
3. 11:21 a.m.
1121
4. 8:16 p.m.
2016
5. 9:32 p.m.
2132
6. 3:19 p.m.
1519
7. 9:10 a.m.
0910
8. 12:22 a.m.
0022
9. 12:22 p.m.
1222
10. 6:01 p.m.
1801

Convert these times to 24-hour clock times:

11. quarter to seven in the morning
0645
12. half past one in the afternoon
1315
13. quarter past four in the afternoon
1615
14. five minutes to midnight
2355
15. ten past eight in the evening
2010
16. five to six in the morning
0555
17. half past two in the morning
0215

Write these 24-hour clock times in 12-hour clock times, using a.m. or p.m.

18. 1213
12:13 p.m.
19. 1705
5:05 p.m.
20. 0622
6:22 a.m.
21. 1635
4:35 p.m.
22. 1942
7:42 p.m.
23. 2205
10:05 p.m.
24. 0240
2:40 a.m.
25. 1445
2:45 p.m.

Add "a.m." or "p.m." on to the end of each sentence so that it makes sense.

26. Jane came home from school at 4:15
p.m.
27. Bill woke up at 6:30
a.m.
28. John ate lunch at 12:15
p.m.
29. Bill went to bed at 10:10
p.m.
30. Sally cooked dinner at 5:30
p.m.

Allison leaves home at 0830 and returns 6 hours later. What time does she get home?

31. 24-hour clock time
1430
32. 12-hour clock time using a.m. or p.m.
2:30 p.m.