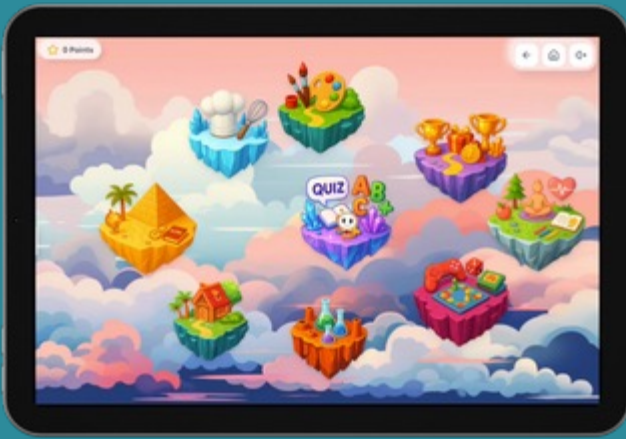


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24 Hour Time - Year 5

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24-Hour Time: Read, Convert, Check



12:00 midnight = 00:00



7:05 am = 07:05



12:00 midday = 12:00



4:25 pm = 16:25



16:25 - 12 hours = 4:25 pm



00:35 = 12:35 am



Use a leading zero
before single-digit hours.



Do not write am or pm
after a 24-hour time.

Time Pair Challenge

Cut out the cards and match 12-hour time to its equivalent 24-hour time.

6:15 am

00:00

17:05

14:40

5:05 pm

8:30 pm

12:00 midday

06:15

2:40 pm

20:30

12:00

12:00 midnight

PREVIEW



Day Planner Dash



- Cut out the cards and shuffle the cards.
- On your turn, draw one card and convert it aloud.
- Place it in chronological order in your own timeline.
- If both are correct, keep it. Most cards wins.

6:20 am	14:45	9:05 pm	00:30
11:50 am	16:10	12:00 midday	19:35
7:25 am	22:15	3:40 pm	05:55
12:00 midnight	17:05	8:50 pm	10:35 am

Name: _____

Date: _____



CLOCK-SYSTEM CHECK



Compare 12-hour and 24-hour time. Write each answer clearly.

A. MIDNIGHT AND MIDDAY

1. 12:00 midnight = _____

2. 12:00 midday = _____

B. USE A LEADING ZERO

3. 7:05 am = _____

4. 9:40 am = _____

C. COMPLETE THE CONVERSION TABLE

12-HOUR TIME	24-HOUR TIME
8:15 am	
	13:40
4:05 pm	
	21:25

D. ORDER THE TIMES

Write these times from earliest to latest: 18:10, 07:45, 12:30, 23:05

1. _____ → 2. _____ → 3. _____ → 4. _____

CHECK: four digits • colon • no am or pm after 24-hour time.

Name: _____ **ANSWERS** _____

Date: _____



CLOCK-SYSTEM CHECK



Compare 12-hour and 24-hour time. Write each answer clearly.

A. MIDNIGHT AND MIDDAY

1. 12:00 midnight = 00:002. 12:00 midday = 12:00

B. USE A LEADING ZERO

3. 7:05 am = 07:054. 9:40 am = 09:40

C. COMPLETE THE CONVERSION TABLE

12-HOUR TIME	24-HOUR TIME
6:15 am	06:15
1:40 pm	13:40
4:05 pm	16:05
9:25 pm	21:25

D. ORDER THE TIMES

Write these times from earliest to latest: 18:10, 07:45, 12:30, 23:05

1. 07:45 → 2. 12:30 → 3. 18:10 → 4. 23:05

CHECK: four digits • colon • no am or pm after 24-hour time.

Name: _____

Date: _____

12-HOUR TO 24-HOUR TIME

Convert each time to 24-hour time. Use four digits and a colon.

1. 5:25 am = _____

6. 4:07 pm = _____

2. 9:08 am = _____

7. 6:45 pm = _____

3. 12:00 midday = _____

8. 8:20 am = _____

4. 1:35 pm = _____

9. 10:30 pm = _____

5. 2:50 pm = _____

10. 12:00 midnight = _____

EXPLAIN YOUR THINKING

Choose one pm time above. Explain how you converted it.

REMEMBER: 1–11 pm → add 12 to the hour. Midnight → 00:00.

Name: ANSWERS

Date: _____

12-HOUR TO 24-HOUR TIME

Convert each time to 24-hour time. Use four digits and a colon.

1. 5:25 am = 05:25

6. 4:07 pm = 16:07

2. 9:08 am = 09:08

7. 6:45 pm = 18:45

3. 12:00 midday = 12:00

8. 8:20 am = 08:20

4. 1:35 pm = 13:35

9. 10:55 pm = 22:55

5. 2:50 pm = 14:50

10. 12:00 midnight = 00:00

EXPLAIN YOUR THINKING

Choose one pm time above. Explain how you converted it.

Example: $4 + 12 = 16$, so 4:07 pm = 16:07.

REMEMBER: 1–11 pm → add 12 to the hour. Midnight → 00:00.

Name: _____

Date: _____

24-HOUR TO 12-HOUR TIME

Convert each time to 12-hour time. Include am or pm.

1. 00:20 = _____

6. 15:08 = _____

2. 06:05 = _____

7. 17:55 = _____

3. 11:45 = _____

8. 10:10 = _____

4. 12:00 = _____

9. 21:15 = _____

5. 13:30 = _____

10. 23:50 = _____

EXPLAIN YOUR THINKING

Choose one time above 12:00. Explain how you converted it.

REMEMBER: 13–23 → subtract 12 and write pm. 00 → 12 am.

Name: **ANSWERS**

Date: _____

24-HOUR TO 12-HOUR TIME

Convert each time to 12-hour time. Include am or pm.

1. 00:20 = 12:20 am

6. 15:08 = 3:08 pm

2. 06:05 = 6:05 am

7. 17:55 = 5:55 pm

3. 11:45 = 11:45 am

8. 19:10 = 7:10 pm

4. 12:00 = 12:00 pm

9. 21:15 = 9:15 pm

5. 13:30 = 1:30 pm

10. 23:50 = 11:50 pm

EXPLAIN YOUR THINKING

Choose one time above 12:00. Explain how you converted it.

Example: $15 - 12 = 3$, so $15:08 = 3:08$ pm.

REMEMBER: 13–23 → subtract 12 and write pm. 00 → 12 am.

Name: _____

Date: _____

COMMUNITY POOL TIMETABLE

Use the timetable to answer each question.

SESSION	START	FINISH
Early laps	06:30	07:15
School swim	09:40	10:25
Family session	13:20	14:35
Dive club	16:10	17:25
Evening training	18:45	20:00

1. Write the Early laps start time in 12-hour time.

2. Write the Family session finish time in 12-hour time.

3. Which session begins at 10:00?

4. Which session is running at 14:00?

5. Order these start times from earliest to latest: School swim, Evening training, Family session.

6. It is 4:00 pm. Which session begins next? Include its start time.

7. Write 20:00 in 12-hour time.

CHECK: Read the correct row. Convert only when needed.

Name: **ANSWERS**

Date: _____

COMMUNITY POOL TIMETABLE

Use the timetable to answer each question.

SESSION	START	FINISH
Early laps	06:30	07:15
School swim	09:40	10:25
Family session	13:20	14:35
Dive club	16:10	17:25
Evening training	18:45	20:00

- Write the Early laps start time in 12-hour time.
6:30 am
- Write the Family session finish time in 12-hour time.
2:35 pm
- Which session begins at 16:10?
Dive club
- Which session is running at 14:00?
Family session
- Order these start times from earliest to latest: School swim, Evening training, Family session.
School swim → Family session → Evening training
- It is 4:00 pm. Which session begins next? Include its start time.
Dive club, 16:10 (4:10 pm)
- Write 20:00 in 12-hour time.
8:00 pm

CHECK: Read the correct row. Convert only when needed.

Name: _____

Date: _____

TIME REASONING: DOES IT MAKE SENSE?

Convert, check and explain each time.

A. CHOOSE A SENSIBLE 24-HOUR TIME

1. Breakfast at 7:30 am = _____
2. Football training at 5:15 pm = _____
3. Bedtime at 9:00 pm = _____

B. FIND AND FIX THE ERROR

4. 3:45 pm = 03:45 Correction: _____
5. 00:25 = 12:25 pm Correction: _____
6. 18:05 = 8:05 pm Correction: _____

C. ORDER AND SELECT

7. Order from earliest to latest: 20:30, 08:15, 15:45

8. A film begins at 18:40. Dinner begins at 7:05 pm. Which begins first?

9. Which time makes sense for a school assembly: 09:15 or 21:15? Explain.

D. EXPLAIN

10. Why is 24:30 not a valid 24-hour time?

CHECK: A 24-hour clock uses hours 00 to 23.

Name: **ANSWERS**

Date: _____

TIME REASONING: DOES IT MAKE SENSE?

Convert, check and explain each time.

A. CHOOSE A SENSIBLE 24-HOUR TIME

1. Breakfast at 7:30 am = 07:30
2. Football training at 5:15 pm = 17:15
3. Bedtime at 9:00 pm = 21:00

B. FIND AND FIX THE ERROR

4. 3:45 pm = 03:45 Correction: 15:45
5. 00:25 = 12:25 pm Correction: 12:25 am
6. 18:05 = 8:05 pm Correction: 18:05 pm

C. ORDER AND SELECT

7. Order from earliest to latest: 20:30, 08:15, 15:45
08:15 → 15:45 → 20:30
8. A film begins at 18:40. Dinner begins at 7:05 pm. Which begins first?
The film begins first. 7:05 pm = 19:05, which is later than 18:40.
9. Which time makes sense for a school assembly: 09:15 or 21:15? Explain.
09:15. A school assembly usually happens in the morning, not at 9:15 pm.

D. EXPLAIN

10. Why is 24:30 not a valid 24-hour time?

The hour part of a 24-hour time must be 00–23. After 23:59, the clock returns to 00:00.

CHECK: A 24-hour clock uses hours 00 to 23.



Wildlife Rescue Schedule Challenge — Page 1



Name: _____

Wildlife Rescue Schedule	
Feed koalas	07:15
Vet check	10:40
Pelican release	13:25
Possum care	16:50
Night patrol	20:05

1. Write 07:15 in 12-hour time.

2. Write 1:25 pm in 24-hour time.

3. Write 20:05 in 12-hour time.

4. Which event takes place at 4:50 pm?

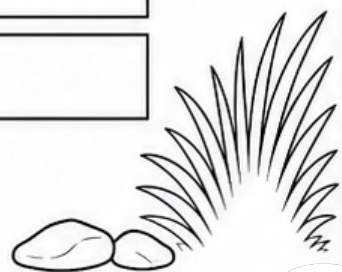
5. Write 10:40 in 12-hour time.

6. Put these events in order from earliest to latest: Vet check, Pelican release, Night patrol.

1.

2.

3.



Wildlife Rescue Schedule Challenge — Page 2



Name: _____

1. The rescue line receives a call at 12:00 midnight. Write this in 24-hour time.

2. A new rescue is booked for 6:30 pm. Write it in 24-hour time.
Then name the two Page 1 events it belongs between in the schedule.

3. A volunteer wrote Night patrol as 08:05. Explain the error and write the correct 24-hour time.

4. Write 12:20 am in 24-hour time.

5. One call is at 5:45 pm and another is at 18:05.
Convert as needed and state which call is earlier.

6. Explain one reliable check you can use when converting between 12-hour and 24-hour time.





Wildlife Rescue Schedule Challenge — Page 1



Name: ANSWERS

Wildlife Rescue Schedule	
Feed koalas	07:15
Vet check	10:40
Pelican release	13:25
Possum care	16:50
Night patrol	20:05

1. Write 07:15 in 12-hour time.

7:15 am

2. Write 1:25 pm in 24-hour time.

13:25

3. Write 20:05 in 12-hour time.

8:05 pm

4. Which event takes place at 4:50 pm?

Possum care

5. Write 10:40 in 12-hour time.

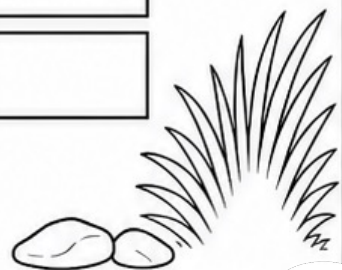
10:40 am

6. Put these events in order from earliest to latest: Vet check, Pelican release, Night patrol.

1. Vet check

2. Pelican release

3. Night patrol



Wildlife Rescue Schedule Challenge — Page 2



Name: **ANSWERS**

1. The rescue line receives a call at 12:00 midnight. Write this in 24-hour time.

00:00

2. A new rescue is booked for 6:30 pm. Write it in 24-hour time.
Then name the two Page 1 events it belongs between in the schedule.

18:30

Between Possum care and Night patrol.

3. A volunteer wrote Night patrol as 08:05. Explain the error and write the correct 24-hour time.

08:05 means 8:05 am, not night.

The correct time is 20:05.

4. Write 12:25 am in 24-hour time.

00:25

5. One call is at 5:45 pm and another is at 18:05.
Convert as needed and state which call is earlier.

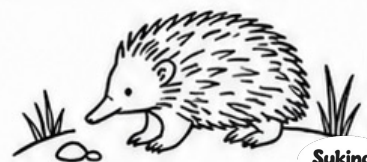
5:45 pm = 17:45.

The 5:45 pm call is earlier than 18:05.

6. Explain one reliable check you can use when converting between 12-hour and 24-hour time.

Convert the result back to the original clock system.

If it matches, the conversion is correct.



24 Hour Time - Year 5 Rubric

Curriculum: AC9M5M03

CRITERIA	BEGINNING	DEVELOPING	ACHIEVING	CONFIDENT	EXCEEDING
Reading and interpreting 24-hour time	Reads few 24-hour times accurately.	Reads familiar 24-hour times with support.	Reads and interprets most 24-hour times accurately.	Reads all given times accurately and explains their meaning.	Interprets unfamiliar 24-hour times accurately and efficiently.
Converting both directions, including midnight and midday	Needs support to convert times.	Converts some routine times; confuses midnight or midday.	Converts both ways accurately, including midnight and midday.	Converts varied times accurately and checks leading zeros.	Converts complex examples fluently and justifies midnight and midday choices.
Using timetables and comparing times	Locates few timetable times correctly.	Uses simple timetables with support.	Uses timetables accurately.	Orders and compares several events accurately.	Solves unfamiliar timetable problems and explains comparisons.
Explaining and checking reasoning	Gives an answer with little explanation.	Gives a partial strategy or check.	Explains the method and checks the answer.	Explains clear reasoning and verifies each conversion.	Compares methods, detects errors and gives a convincing check.

24-Hour Time



Two Time Systems

12-hour time repeats 1–12 and uses am or pm.

24-hour time runs 00–23 and does not use am or pm.



Midnight and Midday

12:00 am = 00:00 (midnight)

12:00 pm = 12:00 (midday)

These are the two special cases.



Morning Times

From 1:00 am to 9:59 am, keep the hour and add leading zero.

7:05 am → 07:05

10:30 am → 10:30



Afternoon and Evening

For 1:00 pm–11:59 pm, add 1 to the hour.

4:25 pm → 5:25

8:08 pm → 9:08



Back to 12-Hour Time

For 13:00–23:59, subtract 12 and write am.

18:20 → 6:20 pm

12:00 stays 12:00 pm.



The Zero Hour

For 00:00–00:59, change to 12:00 am.

00:35 12:35 am

00:00 12:00 am (midnight)



Write It Correctly

Use four digits and a colon. 7:05 6:00.

Add a leading zero before morning hours 1–9.

Do not add am or pm to 24-hour time.



Check Reasonableness

Morning times usually begin 00–11.

Afternoon and evening times usually begin 12–23.

24:30 involved, the hour range is 00–23.



Reading Timetables

Read the row label first, then the correct column.

Convert only when needed.

Check that the time suits the event's part of day.



Compare and Order

Write every time in the same system first.

$08:50 < 12:10 < 1:40 < 2:05$

The smallest 4-hour number is earliest.



A Schedule Problem

A tour begins at 14:10. A show begins at 2:05 pm.

3:05 pm = 3:05.

14:10 is earlier, so the tour begins first.



Review the Strategy

12 am hour → change to

Morning → keep the hour use a leading zero.

12 pm → add 12.

convert 12-23 back, subtract 12.

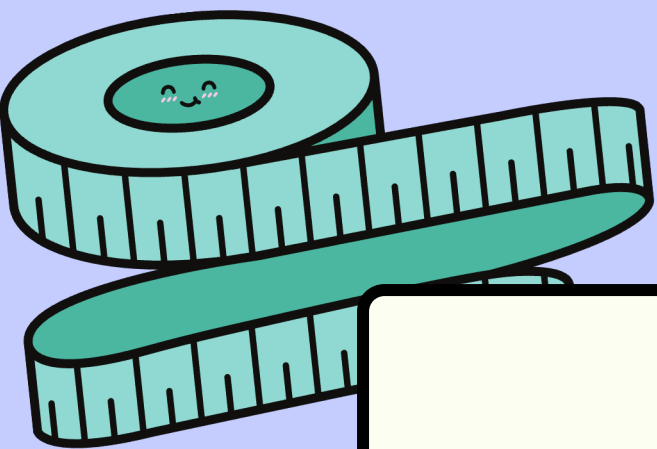




Well Done!

24-Hour Time Quiz

PREVIEW



Question 1

Convert 7:45 am to 24-hour time

- A. 07:45 B. 17:45
C. 7:45 D. 7:45 pm



Answer 1

A. 07:

The morning our starts 7 add a leading zero.



Question 2

12:00 pm is written 00:00 in 24-hour time.

True or false?



Answer 2

False

12:00 pm on Monday and so it remains 12:00.



Question 3

Convert 4:28 pm to 24-hour time

PREVIEW



Answer 3

16:28

$4 + 12 = 16$, so 4:12 pm becomes 16:28.



Question 4

Convert 9:05 pm to 24-hour time

A. 09:05 B. 19:05

C. 11:05 D. 22:05



Answer 4

C. 21:05

$9 + 12 = 21$, so 9:05 pm becomes 21:05.



Question 5

Convert 00:35 to $\frac{\text{hour}}{\text{min}}$

PREVIEW



Answer 5

12:35 am

The zero hour is one hour after midnight.



Question 6

18:20 is earlier than 6:20 pm.
True or false?



Answer 6

False

6:20 pm and 6:20, the times are equal.



Question 7

A tour begins at 14:10. A show begins at 12:05. Which begins

- A. Earlier B. Now
C. Same time D. Cannot tell



Answer 7

A. To

3:05 pm = 15:05, and 4:10 is earlier than 15:05.



Question 8

Convert 19:30 to 12-hour time

PREVIEW



Answer 8

7:30 p
 $19 - 12 = 7$, so 12:00 becomes 7:30 pm.



Question a

Which list is in earliest-to-latest order?

A. 08:50, 12:05, 17:40, 21:15

B. 21:05, 17:40, 12:05, 08:50

C. 02:15, 08:50, 21:05, 17:40



Answer q

A. 08:50, 12:15, 1:40, 3:05

Compare the four values first.



Question 10

Convert 16:45 to 12-hour time

PREVIEW



Answer 10

4:45 p
 $16 - 12 = 4$, so 10:45 becomes 4:45 pm.





Well Done!