

Year 4: Digital time: am, pm and the 24-hour clock: answers

Year 4 - Telling the Time and the 24-Hour Clock - Lesson 8.3

Answers. Final answers to the worksheet questions. Full step-by-step solutions for every question are free at websink.site/ks2-sats/maths/year-4/ch08-time/digital-time-am-pm-and-the-24-hour-clock/

Exercise 8C Digital time, am, pm and the 24-hour clock Non-calculator

1 Write each time as a digital time with **am** or **pm**.

- (a) quarter to eight in the morning before school.

Answer: 7:45 am

- (b) half past three in the afternoon after school.

Answer: 3:30 pm

- (c) quarter past eight in the evening at bedtime.

Answer: 8:15 pm

- (d) five past eleven in the morning just before lunch.

Answer: 11:05 am

2 Write each time as a 24-hour time.

- (a) 6:30 am

Answer: 06:30

- (b) 2:45 pm

Answer: 14:45

- (c) 9:10 pm

Answer: 21:10

- (d) 11:55 am

Answer: 11:55

3 Write each 24-hour time as a 12-hour time with **am** or **pm**.

- (a) 07:20

Answer: 7:20 am

- (b) 13:05

Answer: 1:05 pm

- (c) 18:45

Answer: 6:45 pm

- (d) 23:30

Answer: 11:30 pm

4 The clocks show the time. Use the clue to write each time as a 12-hour digital time with **am** or **pm**.

(a)



afternoon

Answer: 4:10 pm

(b)



morning

Answer: 9:35 am

(c)



afternoon

Answer: 1:55 pm

(d)



evening

Answer: 7:25 pm

5 The clocks show the time. Use the clue to write each time as a 24-hour time.

(a)



morning

Answer: 10:15

(b)



afternoon

Answer: 17:40



Answer: 23:50

- 6 Which 24-hour display shows quarter past three in the afternoon? Write the letter.

03:15	15:15	15:45	13:15
A	B	C	D

Answer: B

- 7 Change each time. Take care with 12.

- (a) 12:30 pm to a 24-hour time

Answer: 12:30

- (b) 12:20 am to a 24-hour time

Answer: 00:20

- (c) 00:05 to a 12-hour time

Answer: 12:05 am

- (d) 12:45 to a 12-hour time

Answer: 12:45 pm

- 8 Write these times in order, earliest first.

7:15 pm 16:50 5:30 pm 18:05

Answer: 16:50, 5:30 pm, 18:05, 7:15 pm

- 9 A shop opens at 09:00 and closes at 17:30. Write both times as 12-hour times.

- (a) The shop opens at 09:00.

Answer: 9:00 am

- (b) The shop closes at 17:30.

Answer: 5:30 pm

- 10 Ravi's football training starts at 5:30 pm. Omar's training starts at 17:15. Whose training starts first? Show how you know.

Answer: Omar's (17:15 is earlier than 17:30)

- 11 Leo writes 4:30 pm as 04:30 on the 24-hour clock. What mistake has he made? What should he write?

Answer: 16:30. He did not add 12

- 12 Which is the odd one out? Explain.

16:20 4:20 pm twenty past four in the afternoon 4:20 am

Answer: 4:20 am

13 Write **always**, **sometimes** or **never** for each sentence.

- (a) A pm time written on the 24-hour clock has an hour that is 12 more than the 12-hour hour.

Answer: Sometimes

- (b) A 24-hour time has am or pm after it.

Answer: Never

- (c) The hour of a 24-hour time is 13 or more.

Answer: Sometimes

14 Noah says, "A 12-hour digital clock shows 12:00 two times every day." Is he right? Write what the clock shows each time, with am or pm, and the 24-hour time.

Answer: Yes: 12:00 am (00:00, midnight) and 12:00 pm (12:00, noon)