WONDERLEARNERZ PRIMARY ACADEMY â€¢ PRACTICE & ASSESSMENT WORKSHEET

Time and Clocks: Worksheet 1

Grade 5 | Mathematics | Ch 16: Time and Clocks | Total Marks: 19 | Time: 45 Minutes

Student Name: _____ **Roll / ID No:** _____

Grade / Section: _____ **Date:** _____ **Score:** _____ / 19

Instructions: Section A (Q1-Q4): Choose the correct option (A, B, C, or D). Section B (Q5-Q9): Write your exact one-word or numerical answer. Section C & D (Q10-Q15): Write your detailed answers, corrections, and show all working steps neatly in the space provided.

Q1. Convert 4:45 PM into 24-hour clock time. **[1 Mark]**

( ) A. 16:45
( ) B. 14:45
( ) C. 04:45
( ) D. 18:45

Q2. Convert 21:15 in 24-hour format into 12-hour AM/PM format. **[1 Mark]**

( ) A. 9:15 PM
( ) B. 9:15 AM
( ) C. 11:15 PM
( ) D. 8:15 PM

Q3. How many minutes are in 3 hours and 25 minutes? **[1 Mark]**

( ) A. 205 minutes
( ) B. 185 minutes
( ) C. 225 minutes
( ) D. 195 minutes

Q4. A film starts at 14:10 and ends at 16:35. What is the running time of the film? **[1 Mark]**

( ) A. 2 hours 25 minutes
( ) B. 2 hours 15 minutes
( ) C. 1 hour 55 minutes
( ) D. 2 hours 35 minutes

Q5. At the City Regional Airport, an engineering shift begins at 08:30 and concludes at 17:15. If workers take a 45-minute lunch break, how many net hours and minutes did they work? **[1 Mark]**

Q6. An express passenger train departs from Central Station at 10:45 AM and arrives at Coastal Terminal at 2:20 PM. How long was the train journey? **[1 Mark]**

Q7. A satellite broadcast begins at 19:50 and lasts for 1 hour and 40 minutes. At what 24-hour time does the broadcast end? **[1 Mark]**

Q8. Complete the time conversion: 300 seconds = [?] minutes. **[1 Mark]**

Q9. Fill in the elapsed time: Start = 09:20, End = 11:05, Elapsed = [?] minutes. **[1 Mark]**

Q10. Emma says: '12:00 in the middle of the night is 12:00 PM.' Identify Emma's error and state the correct 12-hour and 24-hour designations. **[1 Mark]**

Q11. A student calculates the difference between 3:50 PM and 5:10 PM as 2 hours 40 minutes by subtracting 3:50 from 5:10 directly. What is the correct elapsed time? **[1 Mark]**

Q12. Explain why minutes and seconds are based on multiples of 60 (sexagesimal) rather than 10 (decimal). **[2 Marks]**

Q13. How does the 24-hour clock eliminate ambiguity compared to the 12-hour AM/PM clock in international aviation schedules? **[2 Marks]**

Q14. A flight departs Dubai at 02:30 (Dubai time) and lands in London after a 7-hour and 45-minute flight. If London is 4 hours behind Dubai, what local time does the flight arrive in London? **[2 Marks]**

Q15. A digital stopwatch displays 3,745 seconds. Express this duration in hours, minutes, and seconds. **[2 Marks]**