Answers - Time to 5 minutes

Year: Year 2

Answer to Question 1

a. The long hand is on 12: **5 o'clock, 5:00**.
b. The long hand is on 6: **half past 9, 9:30**.
c. The long hand is on 3: **quarter past 2, 2:15**.
d. The long hand is on 9: **quarter to 12, 11:45**.

Answer to Question 2

a. The long hand is on 2: 10 minutes past 3, **3:10**.
b. The long hand is on 5: 25 minutes past 6, **6:25**.
c. The long hand is on 8: 40 minutes past 8, which is 20 to 9, **8:40**.
d. The long hand is on 10: 50 minutes past 10, which is 10 to 11, **10:50**.

Answer to Question 3

a. The minute hand points to **12**. The hour hand points to 7.
b. The minute hand points to **6**. The hour hand is halfway between 1 and 2.
c. The minute hand points to **9**. The hour hand is just before 4.
d. The minute hand points to **4** ($4 \times 5 = 20$). The hour hand is just after 5.

Answer to Question 4

a. The minutes are :00, so it is exactly on the hour: **4 o'clock**.
b. 30 minutes is half of an hour, so 8:30 is **half past 8**.
c. 15 minutes is a quarter of an hour, so 3:15 is **quarter past 3**.
d. 45 minutes past 9 leaves 15 minutes, a quarter of an hour, until 10. So 9:45 is **quarter to 10**.
e. 2:35 is **35 minutes past 2**. There are $60 - 35 = 25$ minutes left until 3, so it is also **25 to 3**.

Answer to Question 5

a. The long hand goes all the way round the clock once in an hour: 1 hour = **60** minutes.
b. The second hand goes round once in a minute: 1 minute = **60** seconds.
c. A day and a night together last **24** hours, which is two times round the clock face.

d. Each hour is 60 minutes, so 2 hours is 60 + 60 = **120** minutes.
e. Half of 60 minutes is **30** minutes, because 30 + 30 = 60.

Answer to Question 6

a. 3:00 to 5:00 is **2 hours**.
b. 10:00 to 10:30 is **30 minutes**.
c. 1:15 to 2:15 is **1 hour**.
d. 7:00 to 9:00 is 2 hours and 9:00 to 9:30 is 30 minutes: **2 hours 30 minutes**.

Answer to Question 7

a. 9:00 to 10:00 is **1 hour**.
b. 10:00 to 10:15 is **15 minutes**.
c. 10:15 to 11:00 is **45 minutes**.
d. 12:00 to 1:00 is **1 hour**.
e. 8:45 to 11:00: 8:45 to 9:00 is 15 minutes, 9:00 to 11:00 is 2 hours, so **2 hours 15 minutes**.

Answer to Question 8

a. 7:00 + 20 minutes = **7:20**.
b. 7:20 + 15 minutes = **7:35**.
c. 7:35 + 10 minutes = **7:45**.
d. 7:45 + 15 minutes = **8:00**. School starts at 8:45, so she is **on time** and 45 minutes early.

Answer to Question 9

a. 2 × 20 = **40 minutes**.
b. 40 + 10 = **50 minutes**.
c. 10:00 + 50 minutes = **10:50**, which is 10 to 11.
d. 9:30 to 10:50: 9:30 to 10:30 is 1 hour, then 20 minutes more: **1 hour 20 minutes**.

Answer to Question 10

a. 2:15 + 45 minutes: 2:15 + 15 = 2:30, 2:30 + 30 = 3:00. **3:00**.
b. 3:00 + 30 minutes = **3:30**.
c. 3:30 to 4:00 is **30 minutes**.
d. 45 minutes is less than 60 minutes, so **yes**, Mum is right.

Answer to Question 11

a. 9:15 to 10:00 is **45 minutes**.
b. 10:00 + 3 hours = **1:00** (1 p.m.).
c. 1:00 + 45 minutes = **1:45** (1:45 p.m.), which is quarter to 2.
d. 10:00 to 12:30 is **2 hours 30 minutes**.

Answer to Question 12

a. Start at 11:00 and add 45 minutes: the long hand moves round to 9. The lesson finishes at **11:45**, which is quarter to 12.
b. Add the 15 minutes for changing: 11:45 + 15 minutes reaches the next hour, so he finishes at **12:00**.
c. Dad drives for 20 minutes: 12:00 + 20 minutes = **12:20**.
d. From 11:00 to 12:00 is 1 hour, and from 12:00 to 12:20 is 20 minutes. Altogether it is **1 hour 20 minutes**. Check: 45 + 15 + 20 = 80 minutes, which is 1 hour 20 minutes.

Answer to Question 13

a. 4:30 + 30 minutes = **5:00**.
b. 5:00 + 1 hour 30 minutes = **6:30**.
c. 6:30 to 7:00 is **30 minutes**.
d. 1 hour 30 minutes is 90 minutes and 2 hours is 120 minutes. 90 is less than 120, so the film is **shorter**.

Answer to Question 14

a. 10:30 + 45 minutes = **11:15**.
b. 11:15 + 30 minutes = **11:45**.
c. 11:45 to 12:00 is **15 minutes**.
d. 10:30 to 3:00 is 10:30 to 12:30 (2 hours), 12:30 to 3:00 (2 hours 30 minutes): total **4 hours 30 minutes**.

Answer to Question 15

a. 9:00 + 1 hour 15 minutes = **10:15**.
b. 10:15 + 1 hour = **11:15**.
c. 11:15 + 45 minutes = **12:00**.
d. 12:30 to 1:15 is **45 minutes**.
e. 1:15 to 2:30 is 1 hour 15 minutes: **1 hour 15 minutes**.

Answer to Question 16

a. 9:30 + 1 hour = **10:30**.
b. 10:30 to 11:00 is **30 minutes**.
c. 11:00 + 45 minutes = **11:45**.
d. 2:00 + 2 hours 30 minutes = **4:30**.
e. 9:30 a.m. to 4:30 p.m. is 9:30 to 12:30 (3 hours) and 12:30 to 4:30 (4 hours): **7 hours**.

Answer to Question 17

a. 2:00 + 45 minutes = **2:45**.
b. 2:45 + 30 minutes = **3:15**.
c. 3:15 + 1 hour = **4:15**.
d. 4:15 to 4:30 is **15 minutes**.
e. 2:00 to 4:30 is **2 hours 30 minutes**. 2 hours 30 minutes is more than 2 hours, so **yes**, she is right.

Answer to Question 18

a. 10:20 to 11:20 is 1 hour. 11:20 to 11:50 is 30 minutes: **1 hour 30 minutes**.
b. 4:30 + 1 hour 30 minutes = **6:00**.
c. 11:50 to 4:30: 11:50 to 12:00 is 10 minutes, 12:00 to 4:00 is 4 hours, 4:00 to 4:30 is 30 minutes. Total **4 hours 40 minutes**.
d. The journey home is 1 hour 30 minutes. 4 hours 40 minutes is longer than 1 hour 30 minutes, so the train journey is **not** longer than the time at the seaside.

Answer to Question 19

a. The clock is 10 minutes behind, so the real time is 12:50 + 10 minutes = **1:00**.
b. The clock shows 10 minutes less than 1:15, which is **1:05**.
c. The hall clock shows 1:15 when the real time is 1:25. The bell is rung **10 minutes after** the real end of lunch.
d. 5 minutes before 1:15 is 1:10 real time. The clock shows 10 minutes less: **1:00**.

Answer to Question 20

a. 6:45 + 1 hour = 7:45. 7:45 + 40 minutes: 7:45 + 15 = 8:00 and 8:00 + 25 = 8:25. The film finishes at **8:25**.
b. 3:50 to 4:00 is 10 minutes and 4:00 to 4:25 is 25 minutes. 10 + 25 = **35 minutes**.

c. 12 to 6 is 6 numbers. 6 × 5 = 30 minutes. That is **6 steps** of 5 minutes.
d. 3:20 + 55 minutes: 3:20 + 40 = 4:00 and 4:00 + 15 = 4:15. The time will be **4:15**.