

CHAPTER-2 | Power Play

QUIZ
PART-17

1. This part mainly teaches:

- A. Geometry
- B. Estimation and approximation
- C. Fractions
- D. Algebra (B)

Explanation : The learning outcome is "Estimation and Approximation".

2. 10^0 seconds equals:

- A. 0 seconds
- B. 1 second
- C. 10 seconds
- D. 100 seconds (B)

Explanation: Ants were estimated as $10^0 = 1$.

3. 10^1 seconds equals:

- A. 1 second
- B. 10 seconds
- C. 100 seconds
- D. 1000 seconds (B)

Explanation: $10^1 = 10$

4. Blood circulation time is about:

- A. 10^0 seconds
- B. 10^1 seconds
- C. 10^3 seconds
- D. 10^5 seconds (B)

Explanation: It takes about 10–20 seconds.

5. 10^2 seconds is about:

- A. 1.6 minutes
- B. 16.6 minutes
- C. 2.7 hours
- D. 11.57 days (A)

Explanation : 100 seconds is about 1.6 minutes.

6. Light from the Sun reaches Earth in about:

- A. 5×10^1 seconds
- B. 5×10^2 seconds
- C. 5×10^3 seconds
- D. 5×10^4 seconds (B)

Explanation : About 8 minutes is nearly 5×10^2 seconds

7. 10^3 seconds is about:

- A. 1.6 minutes
- B. 16.6 minutes
- C. 2.7 hours
- D. 11.6 days (B)

Explanation : 1000 seconds is about 16.6 minutes.

8. 10^4 seconds is about:

- A. 16.6 minutes
- B. 2.7 hours
- C. 11.57 days
- D. 1 second (B)

Explanation : 10,000 seconds is about 2.7 hours.

9. 10^6 seconds is closer to:

- A. 1 day
- B. 10 days
- C. 20 days
- D. 100 days (B)

Explanation : 10^6 seconds is about 11.57 days, closer to 10 days.

10. Which is longer: 10^4 seconds or 3 hours?

- A. 10^4 seconds
- B. 3 hours
- C. Both equal
- D. Cannot say (B)

Explanation : 10^4 seconds is about 2.7 hours, so 3 hours is longer.