

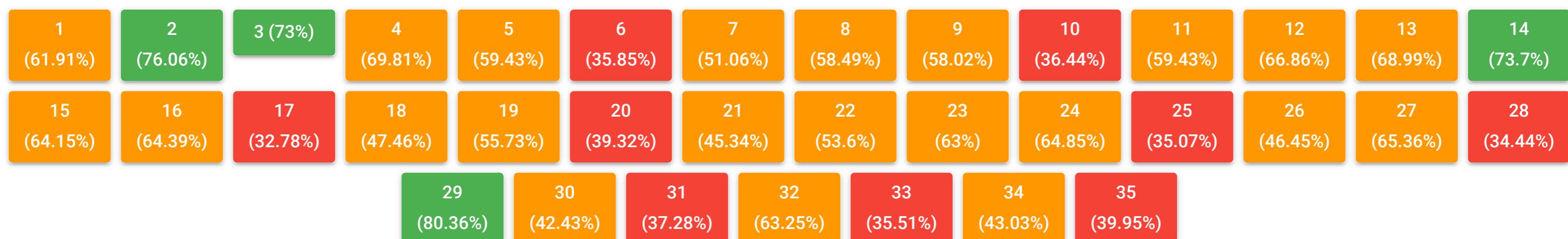


Detail

2025 Y5 T4W7 Mathematical Reasoning Test



Review

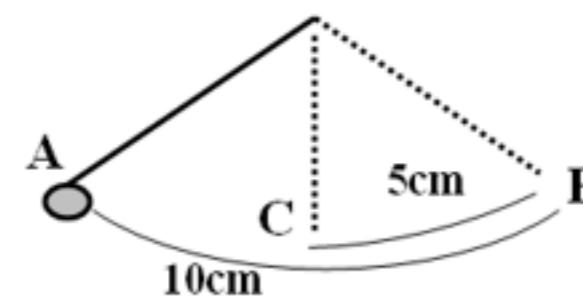


## Question 17

### Questions 16 and 17 refer to the following information

A pendulum is swinging back and forth. With each successive swing, the pendulum travels half the distance of the previous swing.

For example, in its first two swings, a pendulum starting at **A** would first swing 10cm to **B** and then 5 cm to **C**.



$$1st: 2.4m = 240cm$$

$$2: 120$$

$$3: 60$$

$$4: 30$$

$$5: 15$$

$$n^{th}: 7.5cm$$

If a pendulum's first swing was 2.4m, how many times has it swung already if its next swing is 7.5 cm?

- 3
- 4
- 5
- 6
- 7

 **Correct answer:**  
5

 **Hint:**

240cm → 120cm → 60cm → 30cm → 15cm → 7.5cm

The sixth swing is 7.5cm, so it has swung 5 times.



Session



Registrations



Report

