

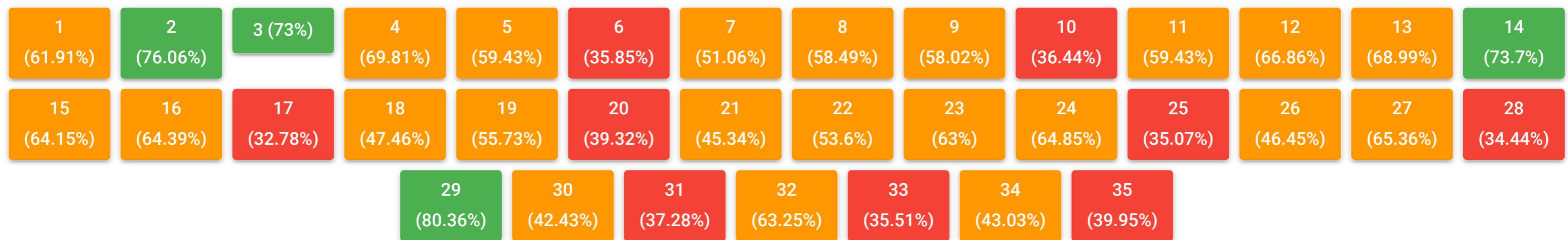


Detail

2025 Y5 T4W7 Mathematical Reasoning Test

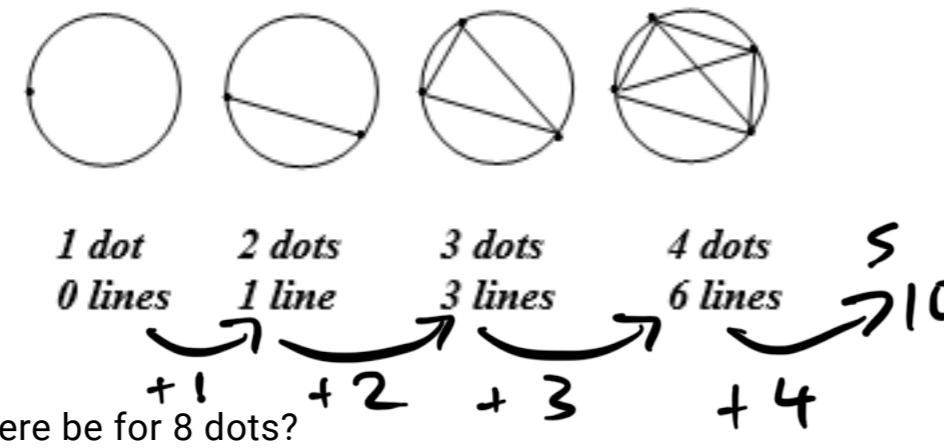


Review



Question 33

Seth can form a number pattern by joining dots around a circle so that each dot is joined to every other one.



$$0 + 1 + 3 + 6 + 10 + 15 + 21 + 28$$

- 9
- 12
- 21
- 26
- 28

 **Correct answer:**

28



Hint:

2 dots = 1 line
 3 dots = $2 + 1$
 4 dots = $3 + 2 + 1 = 6$
 5 dots = $4 + 3 + 2 + 1 = 10$
 ...
 8 dots = $7 + 6 + 5 + 4 + 3 + 2 + 1 = 28$