

Name _____ Class _____ Date _____

AFTER THIS WORKSHEET YOU CAN

- ✓ Use OVER with PARTITION BY ✓ Rank rows with ROW_NUMBER/RANK ✓ Running totals
- ✓ Window vs GROUP BY

Section A • Concept Check • BEGINNER 4 × 1 = 4 _____

- 1** Window functions use the keyword:

☐ A. OVER ☐ B. WINDOW only ☐ C. PANE

☐ D. ACROSS

2 RANK() gives ties:

☐ A. the same rank ☐ B. random ranks

☐ C. errors ☐ D. zero

3 PARTITION BY is like:

☐ A. GROUP BY but keeps all rows ☐ B. DELETE

☐ C. LIMIT ☐ D. JOIN

4 Running total uses:

☐ A. SUM(...) OVER (ORDER BY ...) ☐ B. TOTAL()

☐ C. LIMIT ☐ D. HAVING

Section B • Problem Solving • INTERMEDIATE 2 + 3×3 = 11 _____

- 5** ROW_NUMBER() OVER (ORDER BY score DESC) numbers rows from _____.
- 6** PARTITION BY city restarts the window per _____.
- 7** Rank students by score within each class.

- 8** Running revenue by date.

- 9** Top-1 per group – which pattern?

Section C • Challenge • CHALLENGE 5 _____

- 10** Window vs GROUP BY in one line?

 Reflection — the most useful thing I learned: _____

A ___/4 B ___/11 C ___/5 **Total ___/20**

Teacher's Signature

Parent's Signature

✂ ANSWER KEY – FOLD OR CUT BEFORE HANDING OUT

1-A 2-A 3-A 4-A | 5 1 6 city 7 = RANK() OVER (PARTITION BY class ORDER BY score DESC) 8
= SUM(amount) OVER (ORDER BY order_date) 9 = ROW_NUMBER() ... then WHERE rn = 1 | 10 = GROUP BY
collapses rows; window adds a computed column keeping rows

