

Reconcile Class Ledger

GRADE 4

MATHEMATICS

B2.4

D1.3

You are the class accountant. Reconcile balances with exact math, then decide which graph best communicates each data set.

PART A: LEDGER MATH

1. Jordan starts with \$120. He earns \$35 and spends \$18. New balance: \$_____.
2. Amara starts with \$205. She spends \$47, then earns \$26. New balance: \$_____.
3. Class Fund starts at \$480. Add bonus \$125 and subtract supplies \$90. New balance: \$_____.
4. Leo has \$99. He earns \$41 and spends \$36. New balance: \$_____.

PART B: PICK THE BEST GRAPH

Match each data situation to the graph type that best fits.

- | | |
|--|-----------------------------|
| 5. Compare earnings and spending for each week _____ | A Bar graph |
| 6. Show only total earnings by classroom job _____ | B Line graph |
| 7. Show one student's balance over 6 weeks _____ | C Circle graph |
| 8. Show parts of one class budget in one month _____ | D Multiple-bar graph |

PART C: AUDIT PROBLEMS

9. The weekly ledger says: Week 1 earnings \$210, spending \$140. Week 2 earnings \$190, spending \$160. Find total earnings, total spending, and net change after 2 weeks.

SHOW YOUR WORK

Answer: _____

- 10.** A classmate reports: "I started with \$250, spent \$80, earned \$45, and now have \$225." Is this correct? Explain.

SHOW YOUR WORK

Answer: _____

- 11.** You need to present both earnings and spending for three teams in one graph. Which graph type should you choose and why?

SHOW YOUR WORK

Answer: _____

PART D: GRAPH AND JUSTIFY

- 12.** Use this data and choose a graph: Team A earned \$80 and spent \$50, Team B earned \$95 and spent \$70, Team C earned \$60 and spent \$45. Draw your graph and justify your choice.

SHOW YOUR WORK

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ANSWER KEY

1. 137
2. 184
3. 515
4. 104
5. D — Multiple-bar graph
6. A — Bar graph
7. B — Line graph
8. C — Circle graph
9. Total earnings \$400, total spending \$300, net change +\$100.
10. No. Correct balance is \$215 ($250 - 80 + 45 = 215$).
11. A multiple-bar graph, because each team has two related values (earnings and spending) that need side-by-side comparison.
12. A multiple-bar graph is best because each team has two values to compare directly.

TEACHER NOTES

Run this after a real weekly transaction review. Students can reconcile paper balances first, then compare against ClassCents and discuss why their chosen graph communicates the data clearly.