LESSON MAKER PRO

Data That Counts

Turn long data lists into useful summaries

HIGH SCHOOL · GDA.DSP.B.8

GDA.DSP.B.8 "Use technology to organize data, including very large data sets, into a useful and manageable structure."

NAME _____ DATE _____

GROUP, THEN CALCULATE

A spreadsheet can turn thousands of rows into a short summary table. In a pivot table, choose a category for the rows, then use COUNT to tally records or SUM to add values.

WORKED EXAMPLE

This sheet records plays. Make a pivot table with Tag as rows and SUM of Plays as values.

PLAY LOG

Tag	Plays
Live	13
Clip	17
Live	19

1. Group the rows by Tag.
2. For Live, add 13 + 19 = 32 plays.
3. Clip has 17 plays.

Answer: Live: 32 plays; Clip: 17 plays.

PRACTICE 4 problems

1 A music log lists pop, jazz, pop, rock, pop, jazz. Group by genre and COUNT. What is pop's count?

ANSWER _____

2 A sheet lists (type, downloads): (App, 24), (Game, 30), (App, 36). Group by type and SUM downloads. What is App's total?

ANSWER _____

3 Survey votes are bus, walk, bike, bus, bike, bus, walk, bike. Group by choice and COUNT. Give the bus and bike counts.

ANSWER _____

4 A sheet lists (club, sign-ups): (Art, 28), (Code, 42), (Art, 12), (Code, 18). Sum by club. Which ranks first, and by how many?

ANSWER _____

APPLY IT Show your work

1 A playlist app logs 2,400 listens. A genre summary shows 960 rap listens and 720 pop listens. Group all remaining genres as Other. How many listens and what percent belong to Other?

WORK SPACE

ANSWER _____

2 A school concert's sales sheet is shown. Group by Source and SUM Tickets. Which source sold more, and by how many?

CONCERT SALES

Day	Source	Tickets
Fri	Online	45
Fri	Door	30
Sat	Online	55
Sat	Door	40

ANSWER _____

CHALLENGE One step up

Make a two-way summary of Games by Grade and Mode. Which grade has a greater Team share of its games, and by how many percentage points?

GAME CLUB LOG

Grade	Mode	Games
9	Solo	8
9	Team	12
10	Solo	4
10	Team	10
10	Team	6

WORK SPACE AND ANSWER

Data That Counts

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A music log lists pop, jazz, pop, rock, pop, jazz. Group by genre and COUNT. What is pop's count?	**3**
2	A sheet lists (type, downloads): (App, 24), (Game, 30), (App, 36). Group by type and SUM downloads. What is App's total?	**60 downloads**
3	Survey votes are bus, walk, bike, bus, bike, bus, walk, bike. Group by choice and COUNT. Give the bus and bike counts.	**Bus: 3; bike: 3.**
4	A sheet lists (club, sign-ups): (Art, 28), (Code, 42), (Art, 12), (Code, 18). Sum by club. Which ranks first, and by how many?	**Code ranks first by 20 sign-ups.**

PART 2 · APPLY IT

1. **720 listens; 30%.** Subtract: 2,400 - 960 - 720 = 720. Then 720 / 2,400 = 30%.
2. **Online sold 30 more tickets.** Online totals 45 + 55 = 100 tickets; Door totals 30 + 40 = 70. The difference is 30.

CHALLENGE

Grade 9: Solo 8, Team 12, Team share 60%. Grade 10: Solo 4, Team 16, Team share 80%. Grade 10's Team share is greater by 20 percentage points.

Accept equivalent summary tables. In the challenge, the comparison must use percentage points, not percent.