

PROBLEM SOLVING

Lesson 2.1

Name _____

Problem Solving • Organize Data

COMMON CORE STANDARD CC.3.MD.3

Represent and interpret data.

Use the Favorite School Subject tables for 1–4.

1. The students in two third-grade classes recorded their favorite school subject. The data are in the tally table. How many fewer students chose science than chose social studies as their favorite school subject?

Think: Use the data in the tally table to record the data in the frequency table. Then solve the problem.

social studies: 12 students

science: 5 students

$$12 - 5 = \underline{7}$$

So, 7 fewer students chose science.

2. What subject did the least number of students choose?

3. How many more students chose math than language arts as their favorite subject?

_____ more students

4. Suppose 3 students changed their vote from math to science. Describe how the frequency table would change.

Favorite School Subject	
Subject	Tally
Math	
Science	
Language Arts	
Reading	
Social Studies	

Favorite School Subject	
Subject	Number
Math	
Science	5
Language Arts	
Reading	
Social Studies	12

Lesson Check (CC.3.MD.3)

The tally table shows the cards in Kyle's sports card collection.

1. How many hockey and football cards does Kyle have combined?

- (A) 5
- (B) 8
- (C) 12
- (D) 13

Kyle's Sports Cards	
Sport	Tally
Baseball	
Hockey	
Basketball	
Football	

Spiral Review (CC.3.OA.8, CC.3.NBT.1, CC.3.NBT.2)

2. There are 472 people in the concert hall. What is 472 rounded to the nearest hundred? (Lesson 1.2)

- (A) 400
- (B) 470
- (C) 500
- (D) 600

3. Max and Anna played a video game as a team. Max scored 463 points and Anna scored 329 points. How many points did they score in all? (Lesson 1.12)

- (A) 892
- (B) 792
- (C) 782
- (D) 134

4. Judy has 573 baseball cards in her collection. Todd has 489 baseball cards in his collection. How many fewer cards does Todd have than Judy? (Lesson 1.10)

- (A) 84
- (B) 94
- (C) 116
- (D) 184

5. Ms. Westin drove 542 miles last week and 378 miles this week on business. How many miles in all did she drive on business during the two weeks? (Lesson 1.7)

- (A) 810 miles
- (B) 820 miles
- (C) 910 miles
- (D) 920 miles