

Making Travel Plans

Lesson 4-8

DATE

TIME

College students in Santa Barbara, California, completed classes and are making travel plans to go home for the summer. Use the information in the chart below to help them plan their trips. If needed, draw a diagram, such as a measurement scale, to help you solve the problems.



One-Way Train and Bus Fare from Santa Barbara, CA			
Destination	Approximate Travel Time	By Train	By Bus
Los Angeles	3 hours	\$31	\$22
San Diego	6 hours	\$42	\$30
San Jose	8 hours	\$59	\$48
Oakland	9 hours	\$57	\$53
Sacramento	11 hours	\$65	\$74

- 1 Colleen, Emilia, and Theresa are going home to San Diego.
- a. They buy 3 train tickets using two \$100 bills. How much change should they get from the cashier?
Answer: \$ 74
- b. The cashier wants to use the least number of bills when she gives the girls change and has only \$10 and \$1 bills. How many \$10 and \$1 bills could she give them?
Answer: seven \$10 bills, four \$1 bills
- 2 Juan, Terrence, Rashad, and Adrian are going home to Los Angeles. How much more would it cost for them to buy 4 train tickets than 4 bus tickets?
Answer: \$ 36

- 3 How many minutes longer will the girls' San Diego trip be than the boys' Los Angeles trip?

Answer: 180 minutes

- 4 Two students buy train tickets to Oakland. Five students buy bus tickets to Oakland. How much do the tickets cost in all?

Answer: \$ 379

- 5 Three students buy bus tickets to Sacramento. Four students buy bus tickets to San Jose. How much more do the tickets to Sacramento cost than the tickets to San Jose?

Answer: \$ 30

- 6 a. The trip to Oakland is how many times as long as the trip to Los Angeles?

Answer: 3 times as long

- b. What is the difference between the longest and shortest travel times in minutes?

Answer: 480 minutes

- 7 Three students take the train to Sacramento together. If they use only \$1, \$10, and \$100 bills to pay for all the tickets, what are two different ways they could pay for the tickets?

Answer: Sample answers: one \$100 bill, nine \$10 bills, five \$1 bills; nineteen \$10 bills, five \$1 bills