GOLD EDITION

PRACTICE COACH™ PLUS

Mathematics 3

triumphlearning™ Coach® Practice Coach™ PLUS

Contents

Add Whole Numbers

Coached Instruction

Understand Freda's method for solving the problem below.

Tovar played soccer on Friday and Saturday. On Friday, 109 people were at the game. Ninety-seven more people were at the game on Saturday than on Friday. How many people were at the game on Saturday?

A. 106 **B.** 112 **C.** 196 **D.** 206

FREDA'S METHOD

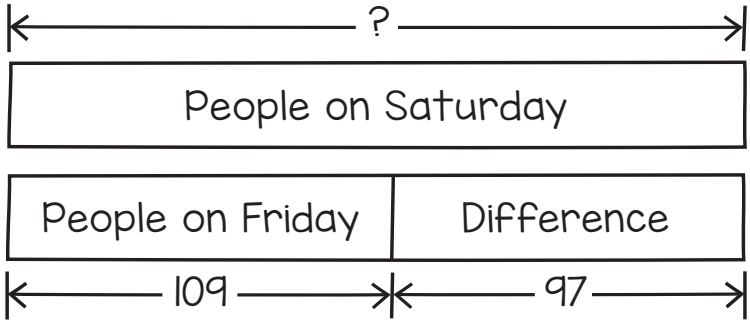
I drew a bar diagram to help me solve the problem.

There were 109 people on Friday.

There were 97 more people than that on Saturday.

There were more people on Saturday. I drew a long bar for Saturday.

I drew shorter bars for Friday and for the difference.



To find the number of people on Saturday, I added.

$109 + 97 = 206$

Choice D is correct.

DISCUSS

What part of the problem did Freda realize is missing?

What operation did she use to solve the problem?

APPLY

Jayce played a video game twice. He scored 156 points on his first try and 68 points on his second try. How many total points did Jayce score?

A. 224 **B.** 112 **C.** 124 **D.** 88

Show how you know with a picture and work.

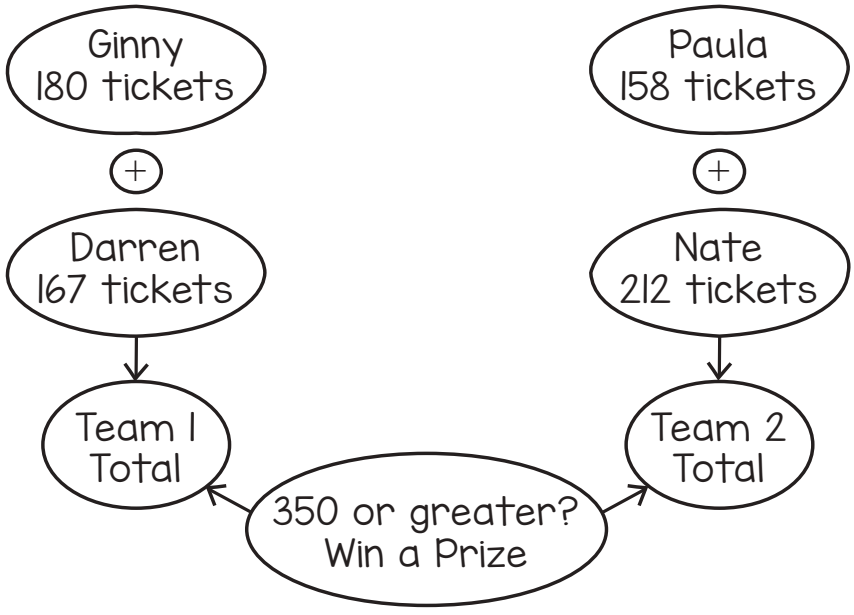
Understand Manny's plan for solving the problem below.

Teams of two students sold tickets to the school fair. Ginny and Darren worked as a team and Paula and Nate worked as a team. If a team sells at least 350 tickets, they win a prize. Will either team win a prize? Show how you know with a picture or an explanation.

Team 1	Team 2
Ginny sold 180 tickets.	Paula sold 158 tickets.
Darren sold 167 tickets.	Nate sold 212 tickets.

MANNY'S METHOD

I need to find the total number of tickets sold by each team and then compare them to 350.



Team 1: $180 + 167 = 347$ $347 < 350$

Team 2: $158 + 212 = 370$ $370 > 350$

So, Paula and Nate won a prize.

DISCUSS

What steps did Manny's plan use to solve the problem?

What other way could Manny have solved the problem?

APPLY

Rosa has a $100 gift card for a clothing store. She wants to use her gift card to buy two different items and still have some money left over. Use the table below to find two pairs of different items she could buy.

Item	Price
Jacket	$48
Coat	$75
Jeans	$35
Dress	$65
Blouse	$45
T-shirt	$29

Make a plan to solve the problem. Then solve the problem. Show or explain your work.

ERROR ANALYSIS

Compare Chandler's and Molly's methods of solving the problem below.

Mr. Farley spent $198 at the home improvement store and $135 at the grocery store.

How much did he spend in all?

CHANDLER'S METHOD

I added 2 to each addend.

This made the numbers easier for me to add together.

Since I'm adding 2 to both addends, it will keep the sum the same.

$$\begin{array}{rl} \$198 + 2 \rightarrow & \$200 \\ \$135 + 2 \rightarrow & +\ \$137 \\ \hline & \$337 \end{array}$$

I think Mr. Farley spent $337 in all.

MOLLY'S METHOD

I added 2 to 198 and subtracted 2 from 135 to find the amount he spent.

$$\begin{array}{rl} \$198 + 2 \rightarrow & \$200 \\ \$135 - 2 \rightarrow & +\ \$133 \\ \hline & \$333 \end{array}$$

I think Mr. Farley spent $333 in all.

DISCUSS

Did either student make any computational errors?

Does adding the same number to both addends change the sum?

APPLY

Look at both students' methods again. What is the difference between the two answers? Who found the correct answer? Explain how knowing the difference between the two answers helped you decide whose method is correct.

Lesson Practice | Part 1

Choose the correct answer.

1. What is 156 + 415?

- ○ **A.** 571
- ○ **B.** 561
- ○ **C.** 541
- ○ **D.** 341

2. Samantha is reading a book that is 631 pages long. Frank is reading a book that is 10 pages longer. How many pages are in Frank's book?

- ○ **A.** 621
- ○ **B.** 632
- ○ **C.** 641
- ○ **D.** 731

3. What is the sum?

$$\begin{array}{r} 215 \\ +\ 498 \\ \hline \end{array}$$

- ○ **A.** 703
- ○ **B.** 713
- ○ **C.** 714
- ○ **D.** 723

4. A town has two schools. There are 473 students at one school. The other school has 354 students. How many students are there at both schools?

- ○ **A.** 727
- ○ **B.** 827
- ○ **C.** 837
- ○ **D.** 927

5. A band played two concerts. The first concert had 375 people. The second concert had 200 more people than the first concert. How many people attended the second concert?

- ○ **A.** 575
- ○ **B.** 475
- ○ **C.** 395
- ○ **D.** 385

6. Find the sum.

$436 + 115 = \square$

- ○ **A.** 541
- ○ **B.** 551
- ○ **C.** 578
- ○ **D.** 587

7. Roger played a computer game twice. He scored 428 points in his first game. In the second game, he scored 559 points. How many points did Roger score in all?

- ○ **A.** 887
- ○ **B.** 967
- ○ **C.** 977
- ○ **D.** 987

8. What is 300 + 500?

- ○ **A.** 200
- ○ **B.** 700
- ○ **C.** 800
- ○ **D.** 900

9. Ethel and Patsy have sticker collections. Ethel has 645 stickers in her collection. Patsy has 289 stickers in her collection.

A. How many stickers do Ethel and Patsy have in all?

_____

B. Betty has 10 more stickers than Ethel. How many stickers does Betty have?

_____

Lesson Practice | Part 2

Choose the correct answer.

1. Missy and Jill played a board game. Missy scored 238 points. Jill scored 157 more points than Missy. How many points did Jill score?

- ○ **A.** 385
- ○ **B.** 395
- ○ **C.** 485
- ○ **D.** 495

2. Which sentence about regrouping is true?

- ○ **A.** Regroup if the sum of a column is less than 10.
- ○ **B.** It is not necessary to regroup if the sum of a column is exactly 10.
- ○ **C.** Regroup if the sum of a column is greater than 9.
- ○ **D.** It is not necessary to regroup if the sum of a column is greater than 9.

3. Which has the same sum as 387 + 528?

- ○ **A.** (387 + 13) + (528 − 13)
- ○ **B.** (387 + 13) + (528 + 13)
- ○ **C.** (387 + 28) + (528 + 28)
- ○ **D.** (387 − 28) + (528 − 28)

4. Jeff read two books last week. The first book Jeff read was 184 pages. The second book he read was 226 pages longer than the first. How many pages were the two books in all?

- ○ **A.** 400
- ○ **B.** 410
- ○ **C.** 584
- ○ **D.** 594

5. Which of the following problems does **not** need any regrouping?

- ○ **A.** 342 + 464
- ○ **B.** 371 + 518
- ○ **C.** 383 + 408
- ○ **D.** 417 + 292

6. What is the sum?

$$\begin{array}{r} 318 \\ 274 \\ +\ 289 \\ \hline \end{array}$$

- ○ **A.** 761
- ○ **B.** 771
- ○ **C.** 871
- ○ **D.** 881

7. Kelli is going to add 417 + 379. Which describes how Kelli can change the addends to be able to mentally add?

- ○ **A.** Kelli can subtract 17 from both addends.
- ○ **B.** Kelli can add 21 to both addends.
- ○ **C.** Kelli can subtract 17 from one addend and add 17 to the other addend.
- ○ **D.** Kelly can subtract 17 from one addend and add 21 to the other addend.

8. Edwin ran three sprints during practice. His first sprint was 175 yards, his second sprint was 150 yards, and his third sprint was 225 yards. What was the total distance that Edwin sprinted?

- ○ **A.** 450 yards
- ○ **B.** 475 yards
- ○ **C.** 525 yards
- ○ **D.** 550 yards

9. The Lopez family drove 236 miles on Monday. They drove 178 more miles on Tuesday than they drove on Monday.

A. How many miles did the Lopez family drive on Tuesday?

_____

B. How many miles did the Lopez family drive during the two days? Show your work.

_____

10. Jin has a large stamp collection. He has 136 foreign postage stamps. He has 94 more U.S. postage stamps than foreign ones. How many U.S. stamps in all does Jin have? Show how you know with a diagram or explanation.

11. Mr. Foster checked his email during lunch. It took him 35 seconds to log on, 46 seconds to read one message, and 58 seconds to write a reply. Did Mr. Foster spend more or less than 2 minutes checking his email? (There are 60 seconds in 1 minute.) Show your work.

12. Jamie and his older sister bought bus tickets to go visit their cousins. Jamie's ticket cost $195 and his sister's ticket cost $217.

Jamie and his sister want to find the total cost of the tickets. They use different methods.

Jamie's Method	His Sister's Method
Jamie subtracts the same amount, $5, from both addends. $195 − 5 → $190 $217 − 5 → +$212	His sister subtracts $5 from one addend and adds $5 to the other addend. $195 + 5 → $200 $217 − 5 → +$212

Add using each method. Find each total. How different are they?

Whose total is correct? Explain why that method works and the other does not.