

Math
Released Item 2015

Grade 3
PBA Item #16
Lions' Score
0079-M00419

Prompt

The Lions and Bulldogs played a basketball game. The scoreboard is shown.

Scoreboard

	1st Half	2nd Half	Score
Lions	28	35	
Bulldogs	32	29	

Part A

How many total points did the Lions score?

Part B

How many total points did the Bulldogs score?

Part C

When the first half ended, how many more points did the Bulldogs have than the Lions?

Enter your answer in the box.

Part D

The top two scorers for the Lions scored 25 points and 12 points.

How many points did the rest of the team score?

Show the steps you used to solve the problem.

Enter your answer and your work in the space provided.

Rubric

Task is worth a total of 6 points.

0079-M00419 Rubric Part A	
Score	Description
1	Student response includes the following element. <ul style="list-style-type: none">• Computation component = 1 point<ul style="list-style-type: none">○ Machine Scorable: D
0	Student response is incorrect or irrelevant.

0079-M00419 Rubric Part B	
Score	Description
1	Student response includes the following element. <ul style="list-style-type: none">• Computation component = 1 point<ul style="list-style-type: none">○ Machine Scorable: C
0	Student response is incorrect or irrelevant.

0079-M00419 Rubric Part C	
Score	Description
1	Student response includes the following element. <ul style="list-style-type: none">• Computation component = 1 point<ul style="list-style-type: none">○ Machine Scorable: 4
0	Student response is incorrect or irrelevant.

Score	Description
3	<p>Student response includes the following 3 elements.</p> <ul style="list-style-type: none"> • Computation component = 2 points <ul style="list-style-type: none"> ○ Correct number of total points scored by the top two scorers, 37 ○ Correct number of points scored by the rest of the team, 26 • Modeling component = 1 point <ul style="list-style-type: none"> ○ Correct work <p>Sample Student Response:</p> <p>The top two players scored 37 points because $25 + 12 = 37$. The rest of the team scored 26 points because $63 - 37 = 26$.</p> <p>Notes:</p> <ul style="list-style-type: none"> • A correct procedure that uses a single equation can receive credit for the total points scored by the top two scorers. A correct two step procedure that doesn't add the two top scorers can receive full credit. • Response does not need to show work for the total number of points scored by the Lions to receive credit (this was found in Part A).
2	Student response includes 2 of the 3 elements.
1	Student response includes 1 of the 3 elements.
0	Student response is incorrect or irrelevant.

Anchor Set

A1 – A8

The Lions and Bulldogs played a basketball game. The scoreboard is shown.

Scoreboard

	1st Half	2nd Half	Score
Lions	28	35	
Bulldogs	32	29	

Part A

How many total points did the Lions score?

- A. 51
 B. 53
 C. 61
 D. 63

Part B

How many total points did the Bulldogs score?

- A. 51
 B. 53
 C. 61
 D. 63

Part C

When the first half ended, how many more points did the Bulldogs have than the Lions?

Type your answer in the box.

points

Part D

The top two scorers for the Lions scored 25 points and 12 points.

How many points did the rest of the team score?

Show the steps you used to solve the problem.

$$25 + 12 = 37 \quad 63 - 37 = 26$$

Annotations

Anchor Paper 1

Part D: Score Point 3

This response receives full credit. The response includes each of the three required elements:

- The response provides the correct number of total points scored by the top two scorers ($25 + 12 = 37$).
- The response provides the correct number of total points scored by the rest of the team ($63 - 37 = 26$).
- The response provides correct work for finding the total number of points scored by the top two scorers ($25 + 12 = 37$) and the total number of points scored by the rest of the team ($63 - 37 = 26$).

The Lions and Bulldogs played a basketball game. The scoreboard is shown.

Scoreboard

	1st Half	2nd Half	Score
Lions	28	35	
Bulldogs	32	29	

Part A

How many total points did the Lions score?

- A. 51
 B. 53
 C. 61
 D. 63

Part B

How many total points did the Bulldogs score?

- A. 51
 B. 53
 C. 61
 D. 63

Part C

When the first half ended, how many more points did the Bulldogs have than the Lions?

Type your answer in the box.

points

Part D

The top two scorers for the Lions scored 25 points and 12 points.

How many points did the rest of the team score?

Show the steps you used to solve the problem.

$$63 - (25 + 12) = 26$$

Annotations

Anchor Paper 2

Part D: Score Point 3

This response receives full credit. The response includes each of the three required elements:

- The response provides the correct number of total points scored by the top two scorers ($25 + 12$). As the response shows a single correct equation for finding the final answer, the expression $(25 + 12)$ found in that equation ($63 - (25 + 12) = 26$) may receive credit for this element.
- The response provides the correct number of total points scored by the rest of the team ($63 - (25 + 12) = 26$).
- The response provides correct work for finding the total number of points scored by the top two scorers and the total number of points scored by the rest of the team in a single correct equation ($63 - (25 + 12) = 26$).

The Lions and Bulldogs played a basketball game. The scoreboard is shown.

Scoreboard

	1st Half	2nd Half	Score
Lions	28	35	
Bulldogs	32	29	

Part A

How many total points did the Lions score?

- A. 51
- B. 53
- C. 61
- D. 63

Part B

How many total points did the Bulldogs score?

- A. 51
- B. 53
- C. 61
- D. 63

Part C

When the first half ended, how many more points did the Bulldogs have than the Lions?

Type your answer in the box.

points

Part D

The top two scorers for the Lions scored 25 points and 12 points.

How many points did the rest of the team score?

Show the steps you used to solve the problem.

$$25 + 12 = 37$$

Annotations

Anchor Paper 3

Part D: Score Point 2

This response receives partial credit. The response includes two of the three required elements:

- The response provides the correct number of total points scored by the top two scorers ($25 + 12 = 37$).
- The response provides correct work for finding the total number of points scored by the top two scorers ($25 + 12 = 37$).

No attempt is made to find the number of points scored by the rest of the team.

The Lions and Bulldogs played a basketball game. The scoreboard is shown.

Scoreboard

	1st Half	2nd Half	Score
Lions	28	35	
Bulldogs	32	29	

Part A

How many total points did the Lions score?

- A. 51
- B. 53
- C. 61
- D. 63

Part B

How many total points did the Bulldogs score?

- A. 51
- B. 53
- C. 61
- D. 63

Part C

When the first half ended, how many more points did the Bulldogs have than the Lions?

Type your answer in the box.

points

Part D

The top two scorers for the Lions scored 25 points and 12 points.

How many points did the rest of the team score?

Show the steps you used to solve the problem.

First, I counted the points and realized that the points equaled 63. Then, I clicked the answer and noticed that since the two scorers scored 37 together then the rest of the team must have scored 26 points. Finally, I came down and wrote what I did



Annotations

Anchor Paper 4

Part D: Score Point 2

This response receives partial credit. The response includes two of the three required elements:

- The response provides the correct number of total points scored by the top two scorers (*the two scorers scored 37 together*).
- The response provides the correct number of total points scored by the rest of the team (*the rest of the team must have scored 26 points*).

No work is provided to find the number of points scored by the top two scorers or the number of points scored by the rest of the team.

The Lions and Bulldogs played a basketball game. The scoreboard is shown.

Scoreboard

	1st Half	2nd Half	Score
Lions	28	35	
Bulldogs	32	29	

Part A

How many total points did the Lions score?

- A. 51
- B. 53
- C. 61
- D. 63

Part B

How many total points did the Bulldogs score?

- A. 51
- B. 53
- C. 61
- D. 63

Part C

When the first half ended, how many more points did the Bulldogs have than the Lions?

Type your answer in the box.

points

Part D

The top two scorers for the Lions scored 25 points and 12 points.

How many points did the rest of the team score?

Show the steps you used to solve the problem.

The had 37 in All

Annotations

Anchor Paper 5 Part D: Score Point 1

This response receives partial credit. The response includes one of the three required elements:

- The response provides the correct number of total points scored by the top two scorers (*They had 37*). Identifying 37 is sufficient to obtain this element.

No attempt is made to find the number of points scored by the rest of the team.

No work is provided to find the number of points scored by the top two scorers or the number of points scored by the rest of the team.

The Lions and Bulldogs played a basketball game. The scoreboard is shown.

Scoreboard

	1st Half	2nd Half	Score
Lions	28	35	
Bulldogs	32	29	

Part A

How many total points did the Lions score?

- A. 51
 B. 53
 C. 61
 D. 63

Part B

How many total points did the Bulldogs score?

- A. 51
 B. 53
 C. 61
 D. 63

Part C

When the first half ended, how many more points did the Bulldogs have than the Lions?

Type your answer in the box.

points

Part D

The top two scorers for the Lions scored 25 points and 12 points.

How many points did the rest of the team score?

Show the steps you used to solve the problem.

$$25 + 12 = ?$$

Annotations

Anchor Paper 6

Part D: Score Point 1

This response receives partial credit. The response includes one of the three required elements:

- The response provides a correct equation to find the total number of points scored by the top two scorers ($25 + 12 = ?$).

The number of points scored by the top two scorers is not indicated.

No attempt is made to find the number of points scored by the rest of the team.

The Lions and Bulldogs played a basketball game. The scoreboard is shown.

Scoreboard

	1st Half	2nd Half	Score
Lions	28	35	
Bulldogs	32	29	

Part A

How many total points did the Lions score?

- A. 51
 B. 53
 C. 61
 D. 63

Part B

How many total points did the Bulldogs score?

- A. 51
 B. 53
 C. 61
 D. 63

Part C

When the first half ended, how many more points did the Bulldogs have than the Lions?

Type your answer in the box.

points

Part D

The top two scorers for the Lions scored 25 points and 12 points.

How many points did the rest of the team score?

Show the steps you used to solve the problem.

$$28 + 35 = 63$$

$$32 + 29 = 61$$

Annotations

Anchor Paper 7

Part D: Score Point 0

This response receives no credit. The response includes none of the three required elements:

The number of points scored by the top two scorers is not indicated.

No attempt is made to find the number of points scored by the rest of the team.

No work is provided to find either score. Instead, the work shown is for finding the Lions' total score ($28 + 35 = 63$), which is the answer provided in Part A, and finding the Bulldogs' total score ($32 + 29 = 61$), which is the answer provided in Part B.

The Lions and Bulldogs played a basketball game. The scoreboard is shown.

Scoreboard

	1st Half	2nd Half	Score
Lions	28	35	
Bulldogs	32	29	

Part A

How many total points did the Lions score?

- A. 51
 B. 53
 C. 61
 D. 63

Part B

How many total points did the Bulldogs score?

- A. 51
 B. 53
 C. 61
 D. 63

Part C

When the first half ended, how many more points did the Bulldogs have than the Lions?

Type your answer in the box.

points

Part D

The top two scorers for the Lions scored 25 points and 12 points.

How many points did the rest of the team score?

Show the steps you used to solve the problem.

$28 + 35 = 63$ Lions in all.
63 Would be it.

Annotations

Anchor Paper 8

Part D: Score Point 0

This response receives no credit. The response includes none of the three required elements:

The number of points scored by the top two scorers is not indicated.

No attempt is made to find the number of points scored by the rest of the team.

No work is shown to find either score. Instead, the work shown is for finding the Lions' total score ($28 + 35 = 63$), which is the answer provided in Part A.

Practice Set P101 - P105

The Lions and Bulldogs played a basketball game. The scoreboard is shown.

Scoreboard

	1st Half	2nd Half	Score
Lions	28	35	
Bulldogs	32	29	

Part A

How many total points did the Lions score?

- A. 51
- B. 53
- C. 61
- D. 63

Part B

How many total points did the Bulldogs score?

- A. 51
- B. 53
- C. 61
- D. 63

Part C

When the first half ended, how many more points did the Bulldogs have than the Lions?

Type your answer in the box.

points

Part D

The top two scorers for the Lions scored 25 points and 12 points.

How many points did the rest of the team score?

Show the steps you used to solve the problem.

The Lions and Bulldogs played a basketball game. The scoreboard is shown.

Scoreboard

	1st Half	2nd Half	Score
Lions	28	35	
Bulldogs	32	29	

Part A

How many total points did the Lions score?

- A. 51
 B. 53
 C. 61
 D. 63

Part B

How many total points did the Bulldogs score?

- A. 51
 B. 53
 C. 61
 D. 63

Part C

When the first half ended, how many more points did the Bulldogs have than the Lions?

Type your answer in the box.

points

Part D

The top two scorers for the Lions scored 25 points and 12 points.

How many points did the rest of the team score?

Show the steps you used to solve the problem.

$$25 + 12 = 37 \quad 28 + 35 = 63$$

$$63 - 37 = 26$$

The Lions and Bulldogs played a basketball game. The scoreboard is shown.

Scoreboard

	1st Half	2nd Half	Score
Lions	28	35	
Bulldogs	32	29	

Part A

How many total points did the Lions score?

- A. 51
 B. 53
 C. 61
 D. 63

Part B

How many total points did the Bulldogs score?

- A. 51
 B. 53
 C. 61
 D. 63

Part C

When the first half ended, how many more points did the Bulldogs have than the Lions?

Type your answer in the box.

points

Part D

The top two scorers for the Lions scored 25 points and 12 points.

How many points did the rest of the team score?

Show the steps you used to solve the problem.

$$63 - 37 = 26$$

The Lions and Bulldogs played a basketball game. The scoreboard is shown.

Scoreboard

	1st Half	2nd Half	Score
Lions	28	35	
Bulldogs	32	29	

Part A

How many total points did the Lions score?

- A. 51
- B. 53
- C. 61
- D. 63

Part B

How many total points did the Bulldogs score?

- A. 51
- B. 53
- C. 61
- D. 63

Part C

When the first half ended, how many more points did the Bulldogs have than the Lions?

Type your answer in the box.

points

Part D

The top two scorers for the Lions scored 25 points and 12 points.

How many points did the rest of the team score?

Show the steps you used to solve the problem.

the team scored 16 because the 2 top players scored 37

The Lions and Bulldogs played a basketball game. The scoreboard is shown.

Scoreboard

	1st Half	2nd Half	Score
Lions	28	35	
Bulldogs	32	29	

Part A

How many total points did the Lions score?

- A. 51
 B. 53
 C. 61
 D. 63

Part B

How many total points did the Bulldogs score?

- A. 51
 B. 53
 C. 61
 D. 63

Part C

When the first half ended, how many more points did the Bulldogs have than the Lions?

Type your answer in the box.

points

Part D

The top two scorers for the Lions scored 25 points and 12 points.

How many points did the rest of the team score?

Show the steps you used to solve the problem.

$$25 + 12 = 37$$

$$63 - 37 = 27$$

Practice Set

Paper	Score
P101	1
P102	3
P103	2
P104	1
P105	2