

Name:

Date:

Level 2

Problem: Traffic Jam

Last Sunday a traffic accident occurred. There was a 2 km long traffic jam in front of you.

(1 km = 1000m)

Approximate car length	4.5 m
Approximate van/truck length	6 m
There are no transport trucks or trucks with trailers.	

When the accident was cleared, the vehicles drove away from the front, one vehicle every two seconds.

How long do you think it will take before your car moves?

With your calculations include any assumptions you made.

1. Interpret:

What is this problem asking you to do?



What information is important? What assumptions are you making?

2. Apply: What are your steps or plan?



3. Solve: Show all of your thinking.



4. Analyze: Justify your solution.



How is your solution stronger or weaker than other possible solutions?



Share your solution in words.

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Problem: Basketball Intramurals

You are in charge of organizing the intramural basketball tournament. Use the information below to create 3 equal teams with 3 players on each team.

Name	Rating out of 5				
	Effort	Shooting	Ball Handling	Speed	Team Play
Bentley	5	2	4	3	4
Carson	2	5	2	5	2
Derrick	3	3	3	3	5
Elizabeth	4	4	1	3	4
Franco	3	1	5	4	5
Jennifer	1	4	4	3	4
Naomi	3	5	4	4	1
Roger	2	2	5	4	3
Zak	3	3	3	3	3

1. Interpret:

What is this problem asking you to do?



What information is important? What assumptions are you making?

2. Apply: What are your steps or plan?



3. Solve: Show all of your thinking.



4. Analyze: Justify your solution.



How is your solution stronger or weaker than other possible solutions?



Share your solution in words.