

Name:

Date:

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Model With Mathematics The cost to distribute a software application is \$0.10 per download. The development cost to create the software is \$500,000. The first 200 downloads were used by testers to test the functionality of the software and were not sold.

- Write a function f for the average cost to create and distribute the purchased software in dollars application where x is the number of downloads.
- Graph the function.
- What are the vertical asymptotes of the graph and what do they mean?
- What are the horizontal asymptotes of the graph and what do they mean?

First Read - Understanding the Context

What is the core of the problem?

- I think this problem is about...
- This problem is about...
- In this problem, I think that...is happening.
- I agree with you that...
- I disagree because...

Second Read - Interpreting the Question

What are we trying to find out?

- The question is...
- I know the problem is asking...because...

Third Read - Identifying Information

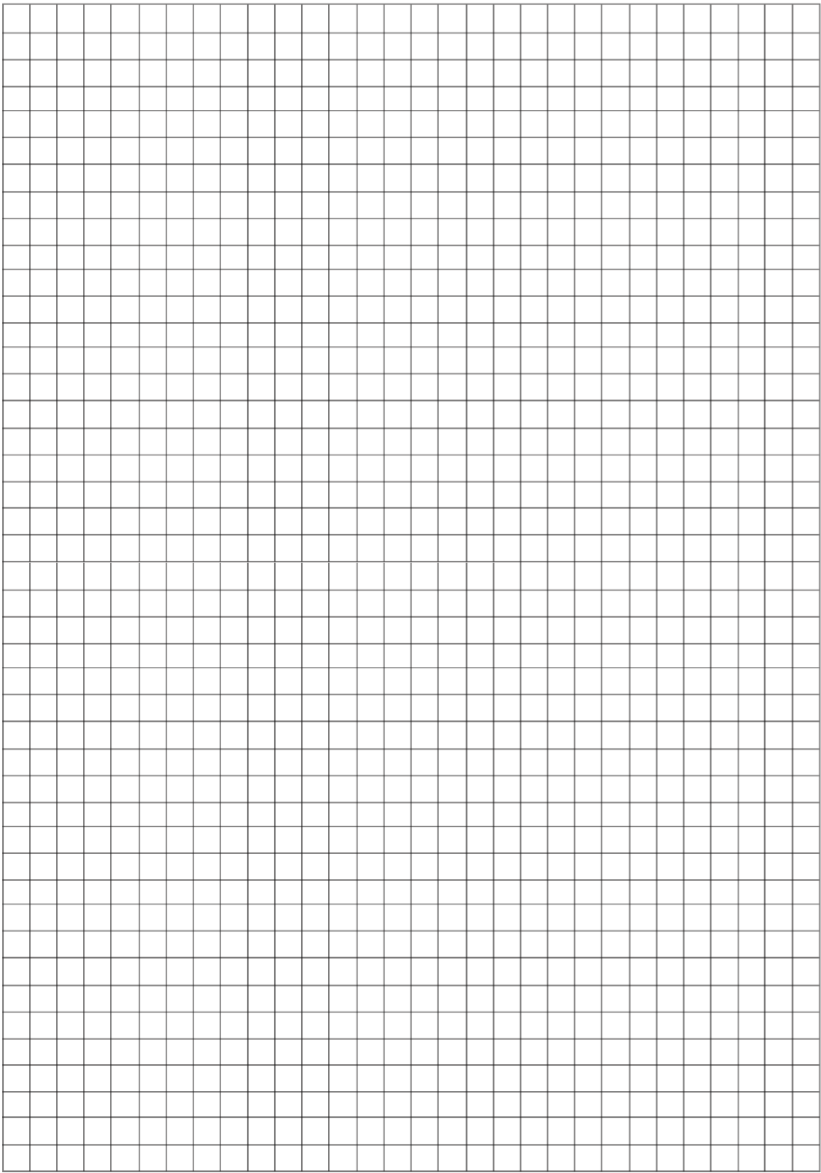
What are the important quantities, relationships, and other relevant information?

- The quantities are...
- I can count...
- I notice the quantities are...
- These quantities help me to answer...
- The information from the situation that we need is...

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