

Reading Contest

Anna's school is having a reading contest to see which team reads the most pages. There are 8 students on each team. The table shows how many students from Anna's team read each of 4 books.

1. Part A

How many pages did Anna's team read altogether of book B? Use strategies based on place value and properties of operations to find the total number of pages mentally.

Book	Number of Pages	Number of Students Who Read Book
A	134	4
B	306	8
C	678	5
D	1,365	2

Part B

How many pages did Anna's team read altogether of book A? Show the product with a rectangular array or area model and partial products.

2. Part A

How many pages did Anna's team read altogether of books C and D combined? Explain how to use diagrams and equations to represent the problem and solve.

Part B

How many pages did Anna's team read in all? Complete the table to solve the problem.

Book	Number of Pages	Number of Students Who Read Book	Total Pages
A	134	4	
B	306	8	
C	678	5	
D	1,365	2	
All 4 books			

Part C

Tell why the total number of pages that you found in Part B is reasonable.