PROJECT: CREATE A BASKETBALL POSTER

Grade 4   Topic 7   Pick a Project

Pacing Plan

Day 1
Background research
Introduce project
Create blank data table

Day 2
Choose 4 colleges or universities to research.
Fill in the table with the arena names and the number of people the arena can hold.

Day 3
Tell if the numbers are prime or composite.
Round the number of fans that each arena can hold to the nearest thousand.

Did you know?

South Carolina Athletics

Allisha Gray

Many universities and colleges have basketball teams for both women and men. The first women's and the first men's intercollegiate basketball games were both held in 1896.

Baylor 23, Gonzaga 8 | 11:42 1st

Did you know?

Basketball is played on a court inside of a building that is called an arena. Some universities have arenas that can hold a lot of people. The Carrier Dome at Syracuse University in New York has seats for over 33,000 fans!

Syracuse versus Duke at the Carrier Dome. Scott Schild | sschild@syracuse.com SYR (Scott Schild | sschild@syracuse.)

Your Project: Create a Basketball Poster

Do research to find the name of 4 colleges or universities that have women's or men's basketball teams.

Make a poster. List the following:
- The name of the college or university
- The name of the arena where the team plays
- The number of fans that each arena can hold
- Tell if that number is prime or composite.
- Round the number of fans that each arena can hold to the nearest thousand.

List the arenas in order from the arena that can hold the fewest number of fans to the arena that can hold the greatest number of fans. Find the difference between the number of seats in the largest and smallest arenas.

Create a table to record the information.

Name of college or university	Name of arena	Number of fans the arena can hold (capacity)	Prime or composite?	Round the capacity to the nearest thousand

Step 2

Choose four colleges to research from one of these lists. Or search "college arenas" in Google to find a list.

List of NCAA Division I basketball arenas

9 biggest college basketball arenas

Complete the table with information about the schools you chose.

Name of team or college/ university	Name of arena	Number of fans the arena can hold (capacity)	Prime or composite?	Round the capacity to the nearest thousand
Syracuse	Carrier Dome	35,446		
George Washington	Charles E. Smith Center	5,000		
Rutgers	Rutgers Athletic Center	8,000		
Columbia	Levien Gymnasium	3,408		

Step 4

Tell if each number is prime or composite.

Number of fans the arena can hold (capacity)	Prime or composite?	
35,446	**Composite** Reason: the number is even, so 2 is a factor	
5,000	**Composite** Reason: the number is a multiple of 10. It is also even.	
8,000	**Composite** Reason: the number is a multiple of 10. It is also even.	
3,408	**composite** Reason: the number is even, so 2 is a factor. 4 is also a factor because 4 is a factor of 3,000, 400, and 8.	

Step 5

Round the number of fans that each arena can hold to the nearest thousand.

Number of fans the arena can hold (capacity)	Prime or composite?	Round the capacity to the nearest thousand
35,446	**Composite** Reason: the number is even, so 2 is a factor	35,000
5,000	**Composite** Reason: the number is a multiple of 10. It is also even.	5,000
8,000	**Composite** Reason: the number is a multiple of 10. It is also even.	8,000
3,408	**composite** Reason: the number is even, so 2 is a factor. 4 is also a factor because 4 is a factor of 3,000, 400, and 8.	3,000

Step 5

List the arenas in order from the arena that can hold the fewest number of fans to the arena that can hold the greatest number of fans. Find the difference between the number of seats in the largest and smallest arenas.

Columbia: 3,408

George Washington: 5,000

Rutgers: 8,000

Syracuse: 35,446

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  35,446
  -3,408
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  32,038
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