

TIME FLIES WHEN YOU'RE HAVING FUN

LESSON OVERVIEW: STUDENTS WILL USE INFORMATION PROVIDED TO UNDERSTAND TIME, TIME MANAGEMENT AND RIDE CAPACITIES.

MATH STANDARDS

Numbers, Sense, Concepts & Operations: Standard 1

The student understands the different ways numbers are represented and used in the real world.

(MA.A.1.3.1; MA.A.1.3.2; MA.A.1.3.3;)

Numbers, Sense, Concepts & Operations: Standard 2

The student understands number systems.

(MA.A.2.3.1; MA.A.2.3.2)

Numbers, Sense, Concepts & Operations: Standard 3

The student understands the effects of operations on numbers and the relationships among these operations, selects appropriate operations, and computes for problem solving.

(MA.A.3.3.1; MA.A.3.3.2; MA.A.3.3.3)

Measurement: Standard 1

The student measures quantities in the real world and uses the measures to solve problems.

(MA.B.1.3.1; MA.B.1.3.2)

Measurement: Standard 2

The student compares, contrasts, and converts within systems of measurement (both standard/nonstandard and metric/customary).

(MA.B.2.3.1; MA.B.2.3.2)

Measurement: Standard 4

The student selects and uses appropriate units and instruments for measurement to achieve the degree of precision and accuracy Required in real-world situations.

(MA.B.4.3.1)

Data Analysis & Probability: Standard 1

The student understands and uses the tools of data analysis for managing information.

(MA.E.1.3.1; MA.E.1.3.3)

SOCIAL STUDIES STANDARDS

Economics: Standard 1

Student understands how scarcity requires individuals and institutions to make choices about how to use resources.

(SS.D.1.3.1)

Materials:

Time chart provided, calculator

RIDE TIME CHART

	Ride Times	# of Vehicles	Riders per Vehicle	Wait Time	Show Times
Dueling Dragons®	5 min.	6	12	30 min.	n/a
Incredible Hulk Coaster®	3 min.	4	20	40 min.	n/a
The Amazing Adventures of Spider-Man®	11 min.	8	12	50 min.	n/a
Doctor Doom's Fearfall®	1 min.	2	16	10 min.	n/a
Jurassic Park River Adventure®	9 min.	5	20	35 min.	n/a
The Cat in the Hat™	7 min.	6	4	20 min.	n/a
The Eighth Voyage of Sindbad®	20 min.	n/a	n/a	n/a	11am-5pm every 2 hours

* All data used in table is for this exercise only and does not represent actual park information.

Procedures:

Using the provided Ride Data Table, answer the following questions:

1. What is the maximum number of passengers that can ride the following attractions at one time?
 - The Amazing Adventures of Spider-Man®
 - Jurassic Park River Adventure®
 - Doctor Doom's Fearfall®
 - Incredible Hulk Coaster®
 - Dueling Dragons®
 - The Cat in the Hat™
2. What is the maximum number of people that can ride the above listed rides in 2 hours?
In 4 hours?
3. If the Incredible Hulk Coaster and Dueling Dragons are not working for one hour due to inclement weather, what is the maximum ride capacity for the above listed rides for that hour?

Wrap-up:

Discuss ride capacity and why achieving maximum ride capacity is so important.

Discuss other situations in which capacity is an important consideration such as, sports arenas, classrooms, etc.

Have students chose one example and write an essay describing what it would be like if capacity was reduced by half.

Have students include possible ways to increase the capacity of their facility.